

Pautas y frecuencias grafotácticas de formas abreviadas:

Su utilización para la datación de los documentos notariales del siglo XIII al XVII

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1. Datación cronológica de los documentos históricos

1.1. Materiales

Fig. 1.1. Líneas según la unidad cronológica y geográfica

| Unidad | AN | AR | AS | CA | CN | CV | EX | GA | Italia | LE | MU | NA | Portugal | PV | VA | X | Total |
|--------|-------|------|-----|----|-------|-------|------|----|--------|------|------|------|----------|-----|----|-------|-------|
| 1100 | | | | | | | | | | | | | | | | 61 | 61 |
| 1120 | | | | | | 12 | | | | | | | | | | 32 | 44 |
| 1140 | | | | | | | | | | | | | | | | 59 | 59 |
| 1160 | | 12 | | | | | | | | | | | | | | 143 | 155 |
| 1180 | | | | | | | | | | 27 | | | | | | 189 | 216 |
| 1200 | | | | | 13 | 42 | | | | | | | | | | 144 | 199 |
| 1220 | | | | | | 14 | | | | | | | | | | 682 | 696 |
| 1240 | 71 | 33 | | | 20 | 288 | | 23 | | 177 | | | | | | 1138 | 1750 |
| 1260 | 2126 | 63 | | | 642 | 3766 | 26 | | | 271 | 632 | 26 | | | | 1252 | 8804 |
| 1280 | 2197 | 88 | 41 | | 276 | 1607 | 18 | | | 342 | 616 | 519 | | | 29 | 1165 | 6898 |
| 1300 | 408 | 34 | 21 | | 967 | 5072 | 17 | | | 572 | 21 | 320 | | 33 | | 1185 | 8650 |
| 1320 | 41 | 97 | 72 | | 200 | 2124 | | | | 500 | 11 | 184 | | | | 708 | 3937 |
| 1340 | 58 | 36 | | | 164 | 118 | 38 | | | 46 | | 41 | | | | 635 | 1136 |
| 1360 | 94 | 282 | | | 206 | 223 | 234 | | | 206 | | 147 | | | | 147 | 1539 |
| 1380 | 248 | 335 | 22 | | 59 | 336 | 223 | | | 124 | | | | | | 134 | 1481 |
| 1400 | | 604 | 24 | | 414 | 341 | 67 | | | 316 | | 17 | 25 | 35 | | 119 | 1962 |
| 1420 | 57 | 1155 | | | 111 | 789 | 57 | | | 301 | | 96 | | 33 | | 213 | 2812 |
| 1440 | | 234 | 27 | | 369 | 48 | 63 | | | 463 | | | | | | 23 | 1227 |
| 1460 | 200 | 374 | 15 | | 462 | 537 | 156 | | | 201 | | 36 | | | | 67 | 2048 |
| 1480 | 174 | 105 | | | 749 | 463 | | | | 1181 | | | | | | 148 | 2820 |
| 1500 | 456 | 235 | 32 | | 442 | 1238 | | | | 94 | | 28 | | | | 37 | 2562 |
| 1520 | 235 | 136 | | | 746 | 1650 | | | | 672 | | 83 | | 319 | | 765 | 4606 |
| 1540 | 600 | 227 | | | 1002 | 919 | 385 | | | 20 | 78 | 223 | | | | 44 | 3498 |
| 1560 | 670 | | | | 1277 | 408 | 96 | | | 34 | | | | | | 70 | 2555 |
| 1580 | 342 | 26 | | | 826 | 1079 | | | | 18 | | | | 132 | | 162 | 2585 |
| 1600 | 635 | | 32 | 32 | 1422 | 73 | 246 | | 768 | 378 | 107 | | 259 | | | 525 | 4477 |
| 1620 | | | | | 600 | 168 | | | 9 | 56 | | | | | | | 833 |
| 1640 | 1353 | | | | 1464 | 494 | | | | 278 | | | | | | 127 | 3716 |
| 1660 | 204 | 165 | | | 509 | | | | | 227 | | | | | | 165 | 1270 |
| 1680 | | 62 | | | 1339 | | | | | 76 | | | | | | | 1477 |
| 1700 | | | | | 657 | | | | | | | | | | 27 | | 684 |
| X | 185 | 11 | | | 173 | 236 | | | | 50 | | 44 | | | | 2548 | 3247 |
| Total | 10354 | 4314 | 286 | 32 | 15109 | 22045 | 1626 | 23 | 777 | 6630 | 1465 | 1764 | 284 | 552 | 56 | 12687 | 78004 |

Corpus de Documentos Españoles Anteriores a 1700 del Grupo de Investigación de Textos para la Historia del Español de la Universidad de Alcalá de Henares, dirigido por Pedro Sánchez-Prieto Borja; *Documentación de cancillería castellana del siglo XIII* del Grupo de Estudio de Documentos Históricos y Textos Antiguos de la Universidad de Salamanca, dirigido por María Nieves Sánchez González de Herrero.

2. Abreviación como rasgos documentales

2.1. Frecuencia

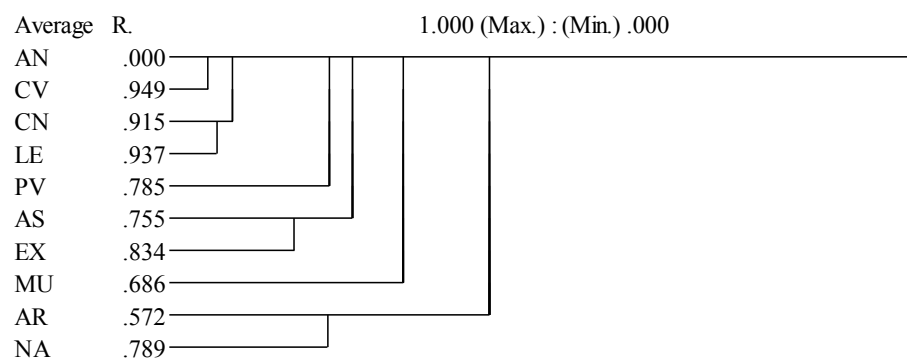
Fig. 2.1. Formas léxicas abreviadas frecuentes

| Formas | Total | Formas | Total | Formas | Total | Formas | Total | Formas | Total |
|------------|-------|-----------|-------|------------|-------|-----------|-------|------------|-------|
| q<ue> | 39728 | d<e>la | 2523 | an<n>o | 1523 | q<ua>nto | 1046 | <con>f<im> | 829 |
| no<n> | 5455 | d<ic>ha | 2442 | bie<n> | 1437 | dich<o> | 1028 | d<e>los | 799 |
| <con>f<im> | 5299 | ob<is>po | 2091 | n<uest>ros | 1405 | man<er>a | 1018 | ma<n>do | 797 |
| d<e> | 4432 | d<e>l | 1958 | egl<es>ia | 1344 | p<er>o | 1004 | v<uest>ra | 786 |
| co<n> | 4412 | q<ui>er | 1867 | d<ic>hos | 1232 | don<n>a | 951 | jah<e>n | 772 |
| d<ic>ho | 3688 | q<ua>l | 1721 | c<art>a | 1121 | d<i>ta | 916 | p<ere>z | 749 |
| nj<n> | 3541 | sen<n>or | 1632 | d<i>to | 1105 | aq<ui> | 884 | t<ien>po | 749 |
| n<uest>ro | 2960 | an<n>os | 1628 | p<ar>te | 1103 | en<e>l | 881 | v<uestra> | 746 |
| do<n> | 2615 | joh<a>n | 1625 | gr<aci>a | 1070 | t<ie>rra | 855 | p<r>or | 723 |
| p<ar>a | 2532 | n<uest>ra | 1606 | p<er>ez | 1051 | q<ua>ntos | 846 | sobr<e> | 714 |

Fig. 2.2c. Coeficiente de correlación

| Pearson | AN | AR | AS | CN | CV | EX | LE | MU | NA | PV |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AN | 1.000 | -.210 | .400 | .768 | .898 | .368 | .802 | .596 | .268 | .478 |
| AR | -.210 | 1.000 | .230 | -.022 | -.149 | .041 | .064 | -.231 | .579 | .331 |
| AS | .400 | .230 | 1.000 | .572 | .522 | .667 | .689 | .143 | .246 | .595 |
| CN | .768 | -.022 | .572 | 1.000 | .864 | .581 | .874 | .549 | .313 | .650 |
| CV | .898 | -.149 | .522 | .864 | 1.000 | .498 | .887 | .660 | .348 | .455 |
| EX | .368 | .041 | .667 | .581 | .498 | 1.000 | .556 | .262 | .197 | .319 |
| LE | .802 | .064 | .689 | .874 | .887 | .556 | 1.000 | .361 | .313 | .695 |
| MU | .596 | -.231 | .143 | .549 | .660 | .262 | .361 | 1.000 | .325 | .028 |
| NA | .268 | .579 | .246 | .313 | .348 | .197 | .313 | .325 | 1.000 | .254 |
| PV | .478 | .331 | .595 | .650 | .455 | .319 | .695 | .028 | .254 | 1.000 |

Fig. 2.2d. Dendrograma cluster (método de promedio)



2.2. Diatopía

Fig. 2.2a. Frecuencia absoluta

| Frec. absoluta | AN | AR | AS | CN | CV | EX | LE | MU | NA | PV |
|----------------|------|------|----|------|------|-----|------|-----|-----|-----|
| <con>f<irma> | 704 | | | 292 | 3335 | | | 76 | 693 | 57 |
| <con>f<irmat> | 418 | | | | 71 | | | 18 | | |
| an<n>o | 575 | 182 | 31 | 744 | 1455 | 89 | 463 | 44 | 94 | 16 |
| an<n>os | 227 | 25 | 16 | 348 | 697 | 50 | 219 | 20 | 49 | 11 |
| aq<ui> | 152 | 18 | 9 | 197 | 660 | 58 | 125 | 15 | 28 | 12 |
| bie<n> | 144 | 94 | 8 | 172 | 696 | 47 | 112 | 21 | 86 | |
| c<art>a | 123 | 2 | 27 | 189 | 452 | 30 | 336 | 7 | | 26 |
| co<n> | 913 | 871 | 59 | 860 | 2826 | 202 | 783 | 47 | 214 | 42 |
| d<e> | 1047 | 4923 | 30 | 1524 | 2683 | 85 | 1189 | 22 | 313 | 191 |
| d<e>l | 498 | 2552 | 10 | 341 | 1139 | | 650 | 10 | 220 | 130 |
| d<e>la | 224 | 1272 | 6 | 124 | 520 | | 271 | 5 | 128 | 35 |
| d<e>los | 60 | 386 | 1 | 39 | 142 | | 45 | 3 | 33 | 17 |
| d<ï>ta | | 907 | | 1 | | | | | | |
| d<ï>to | | 1094 | | | | | | | 225 | |
| d<ic>ha | 320 | 5 | 7 | 1141 | 761 | 11 | 349 | 9 | 7 | 58 |
| d<ic>ho | 521 | 9 | 13 | 1663 | 1197 | 38 | 739 | 29 | 4 | 95 |
| d<ic>hos | 126 | 3 | 11 | 469 | 326 | 7 | 122 | 7 | 1 | 12 |
| dich<o> | 153 | 7 | 42 | 197 | 838 | 118 | 177 | 5 | 10 | 4 |
| do<n> | 224 | 167 | 4 | 110 | 734 | 3 | 204 | 8 | 136 | 5 |
| don<n>a | 105 | 21 | 9 | 96 | 339 | 48 | 63 | 24 | 11 | 4 |
| egl<es>ia | 205 | 264 | 2 | 228 | 383 | 114 | 96 | 50 | 28 | 1 |
| en<e>l | 75 | 301 | 13 | 60 | 311 | | 262 | 3 | 39 | 5 |
| gr<aci>a | 211 | 13 | 1 | 141 | 435 | 6 | 69 | 32 | 62 | 2 |
| jah<e>n | 162 | | 1 | 84 | 400 | 3 | 37 | 44 | 18 | 2 |
| joh<a>n | 251 | 49 | 4 | 123 | 729 | 23 | 85 | 83 | 73 | 2 |
| ma<n>do | 129 | 42 | 5 | 109 | 366 | 8 | 86 | 8 | 8 | 3 |
| man<er>a | 107 | 162 | 6 | 159 | 314 | 21 | 134 | 2 | 36 | 9 |
| n<uest>ra | 228 | 169 | 5 | 440 | 692 | 22 | 134 | 12 | 110 | 22 |
| n<uest>ro | 495 | 354 | 20 | 675 | 1493 | 84 | 434 | 36 | 294 | 64 |
| n<uest>ros | 130 | 238 | 6 | 182 | 410 | 35 | 79 | 18 | 124 | 15 |
| nj<n> | 453 | 86 | 25 | 541 | 1973 | 227 | 517 | 11 | 225 | 20 |
| no<n> | 950 | 376 | 49 | 802 | 2418 | 280 | 716 | 53 | 216 | 31 |
| ob<is>po | 450 | | | 283 | 1284 | 9 | 130 | 221 | 32 | |
| p<ar>a | 277 | 43 | 24 | 386 | 841 | 224 | 452 | 6 | 28 | 44 |
| p<ar>te | 145 | 38 | 18 | 172 | 506 | 60 | 343 | 2 | 16 | 3 |
| p<er>ez | 104 | 45 | 7 | 73 | 460 | 26 | 60 | 31 | 14 | 2 |
| p<er>o | 38 | 236 | 14 | 80 | 303 | 25 | 144 | 11 | 52 | 8 |
| p<ere>z | 36 | 34 | | 78 | 311 | 19 | 111 | 2 | 3 | 4 |
| p<ri>or | 28 | 49 | 7 | 70 | 221 | 112 | 68 | 3 | 44 | 3 |
| q<ua>l | 298 | 43 | 13 | 478 | 938 | 166 | 437 | 15 | 39 | 20 |
| q<ua>nto | 263 | 7 | 20 | 168 | 754 | 68 | 225 | 17 | 53 | 8 |
| q<ua>ntos | 128 | 6 | 9 | 60 | 327 | 42 | 112 | 9 | 26 | 4 |
| q<ui>er | 295 | 96 | 5 | 309 | 914 | 105 | 347 | 22 | 59 | 10 |
| sen<n>or | 346 | 66 | 17 | 592 | 1006 | 208 | 358 | 13 | 22 | 56 |
| sobr<e> | 54 | 292 | 7 | 76 | 362 | 11 | 139 | 2 | 120 | 5 |
| t<ie>rra | 125 | 30 | 1 | 108 | 398 | 21 | 224 | 7 | 29 | 6 |
| t<ien>po | 47 | 438 | 5 | 89 | 126 | 42 | 116 | | 24 | 5 |
| v<uest>ra | 122 | 187 | 7 | 119 | 166 | 21 | 135 | 5 | 41 | 13 |
| v<uestra> | 277 | 10 | | 227 | 96 | 5 | 56 | | 14 | 16 |

Fig. 2.2b. Frecuencia logarítmica

| Log. | AN | AR | AS | CN | CV | EX | LE | MU | NA | PV |
|---------------|--------|--------|-------|--------|--------|-------|--------|-------|-------|-------|
| <con>f<irma> | 9.459 | | | 8.190 | 11.703 | | 6.248 | 9.437 | 5.833 | |
| <con>f<irmat> | 8.707 | | | | 6.150 | | 4.170 | | | |
| an<n>o | 9.167 | 7.508 | 4.954 | 9.539 | 10.507 | 6.476 | 8.855 | 5.459 | 6.555 | 4.000 |
| an<n>os | 7.827 | 4.644 | 4.000 | 8.443 | 9.445 | 5.644 | 7.775 | 4.322 | 5.615 | 3.459 |
| aq<ui> | 7.248 | 4.170 | 3.170 | 7.622 | 9.366 | 5.858 | 6.966 | 3.907 | 4.807 | 3.585 |
| bie<n> | 7.170 | 6.555 | 3.000 | 7.426 | 9.443 | 5.555 | 6.807 | 4.392 | 6.426 | |
| c<art>a | 6.943 | 1.000 | 4.755 | 7.562 | 8.820 | 4.907 | 8.392 | 2.807 | | 4.700 |
| co<n> | 9.834 | 9.767 | 5.883 | 9.748 | 11.465 | 7.658 | 9.613 | 5.555 | 7.741 | 5.392 |
| d<e> | 10.032 | 12.265 | 4.907 | 10.574 | 11.390 | 6.409 | 10.216 | 4.459 | 8.290 | 7.577 |
| d<e>l | 8.960 | 11.317 | 3.322 | 8.414 | 10.154 | | 9.344 | 3.322 | 7.781 | 7.022 |
| d<e>la | 7.807 | 10.313 | 2.585 | 6.954 | 9.022 | | 8.082 | 2.322 | 7.000 | 5.129 |
| d<e>los | 5.907 | 8.592 | | 5.285 | 7.150 | | 5.492 | 1.585 | 5.044 | 4.087 |
| d<i>ta | | 9.825 | | | | | | | | |
| d<i>to | | 10.095 | | | | | | | 7.814 | |
| d<ic>ha | 8.322 | 2.322 | 2.807 | 10.156 | 9.572 | 3.459 | 8.447 | 3.170 | 2.807 | 5.858 |
| d<ic>ho | 9.025 | 3.170 | 3.700 | 10.700 | 10.225 | 5.248 | 9.529 | 4.858 | 2.000 | 6.570 |
| d<ic>hos | 6.977 | 1.585 | 3.459 | 8.873 | 8.349 | 2.807 | 6.931 | 2.807 | | 3.585 |
| dich<o> | 7.257 | 2.807 | 5.392 | 7.622 | 9.711 | 6.883 | 7.468 | 2.322 | 3.322 | 2.000 |
| do<n> | 7.807 | 7.384 | 2.000 | 6.781 | 9.520 | 1.585 | 7.672 | 3.000 | 7.087 | 2.322 |
| don<n>a | 6.714 | 4.392 | 3.170 | 6.585 | 8.405 | 5.585 | 5.977 | 4.585 | 3.459 | 2.000 |
| egl<es>ia | 7.679 | 8.044 | 1.000 | 7.833 | 8.581 | 6.833 | 6.585 | 5.644 | 4.807 | |
| en<e>l | 6.229 | 8.234 | 3.700 | 5.907 | 8.281 | | 8.033 | 1.585 | 5.285 | 2.322 |
| gr<aci>a | 7.721 | 3.700 | | 7.140 | 8.765 | 2.585 | 6.109 | 5.000 | 5.954 | 1.000 |
| jah<e>n | 7.340 | | | 6.392 | 8.644 | 1.585 | 5.209 | 5.459 | 4.170 | 1.000 |
| joh<a>n | 7.972 | 5.615 | 2.000 | 6.943 | 9.510 | 4.524 | 6.409 | 6.375 | 6.190 | 1.000 |
| ma<n>do | 7.011 | 5.392 | 2.322 | 6.768 | 8.516 | 3.000 | 6.426 | 3.000 | 3.000 | 1.585 |
| man<er>a | 6.741 | 7.340 | 2.585 | 7.313 | 8.295 | 4.392 | 7.066 | 1.000 | 5.170 | 3.170 |
| n<uest>ra | 7.833 | 7.401 | 2.322 | 8.781 | 9.435 | 4.459 | 7.066 | 3.585 | 6.781 | 4.459 |
| n<uest>ro | 8.951 | 8.468 | 4.322 | 9.399 | 10.544 | 6.392 | 8.762 | 5.170 | 8.200 | 6.000 |
| n<uest>ros | 7.022 | 7.895 | 2.585 | 7.508 | 8.679 | 5.129 | 6.304 | 4.170 | 6.954 | 3.907 |
| nj<n> | 8.823 | 6.426 | 4.644 | 9.079 | 10.946 | 7.827 | 9.014 | 3.459 | 7.814 | 4.322 |
| no<n> | 9.892 | 8.555 | 5.615 | 9.647 | 11.240 | 8.129 | 9.484 | 5.728 | 7.755 | 4.954 |
| ob<is>po | 8.814 | | | 8.145 | 10.326 | 3.170 | 7.022 | 7.788 | 5.000 | |
| p<ar>a | 8.114 | 5.426 | 4.585 | 8.592 | 9.716 | 7.807 | 8.820 | 2.585 | 4.807 | 5.459 |
| p<ar>te | 7.180 | 5.248 | 4.170 | 7.426 | 8.983 | 5.907 | 8.422 | 1.000 | 4.000 | 1.585 |
| p<er>ez | 6.700 | 5.492 | 2.807 | 6.190 | 8.845 | 4.700 | 5.907 | 4.954 | 3.807 | 1.000 |
| p<er>o | 5.248 | 7.883 | 3.807 | 6.322 | 8.243 | 4.644 | 7.170 | 3.459 | 5.700 | 3.000 |
| p<ere>z | 5.170 | 5.087 | | 6.285 | 8.281 | 4.248 | 6.794 | 1.000 | 1.585 | 2.000 |
| p<ri>or | 4.807 | 5.615 | 2.807 | 6.129 | 7.788 | 6.807 | 6.087 | 1.585 | 5.459 | 1.585 |
| q<ua>l | 8.219 | 5.426 | 3.700 | 8.901 | 9.873 | 7.375 | 8.771 | 3.907 | 5.285 | 4.322 |
| q<ua>nto | 8.039 | 2.807 | 4.322 | 7.392 | 9.558 | 6.087 | 7.814 | 4.087 | 5.728 | 3.000 |
| q<ua>ntos | 7.000 | 2.585 | 3.170 | 5.907 | 8.353 | 5.392 | 6.807 | 3.170 | 4.700 | 2.000 |
| q<ui>er | 8.205 | 6.585 | 2.322 | 8.271 | 9.836 | 6.714 | 8.439 | 4.459 | 5.883 | 3.322 |
| sen<n>or | 8.435 | 6.044 | 4.087 | 9.209 | 9.974 | 7.700 | 8.484 | 3.700 | 4.459 | 5.807 |
| sobr<e> | 5.755 | 8.190 | 2.807 | 6.248 | 8.500 | 3.459 | 7.119 | 1.000 | 6.907 | 2.322 |
| t<ie>rta | 6.966 | 4.907 | | 6.755 | 8.637 | 4.392 | 7.807 | 2.807 | 4.858 | 2.585 |
| t<ien>po | 5.555 | 8.775 | 2.322 | 6.476 | 6.977 | 5.392 | 6.858 | | 4.585 | 2.322 |
| v<uest>ra | 6.931 | 7.547 | 2.807 | 6.895 | 7.375 | 4.392 | 7.077 | 2.322 | 5.358 | 3.700 |
| v<uestra> | 8.114 | 3.322 | | 7.827 | 6.585 | 2.322 | 5.807 | | 3.807 | 4.000 |

2.3. Gradación cronológica

Fig. 2.3a. Frecuencia absoluta de las formas

| Obs.row. | 1260 | 1280 | 1300 | 1320 | 1340 | 1360 | 1380 | 1400 | 1420 | 1440 | 1460 | 1480 | 1500 | 1520 | 1540 | 1560 | 1580 | 1600 | 1620 | 1640 | 1660 | 1680 |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <con>f<irma> | 2449 | 561 | 981 | 416 | | | | | | | | | | | | | | | | | | |
| an<n>o | 241 | 324 | 567 | 204 | 33 | 69 | 77 | 139 | 212 | 116 | 144 | 167 | 181 | 225 | 164 | 87 | 75 | 60 | 2 | 127 | 10 | 13 |
| an<n>os | 72 | 176 | 303 | 120 | 20 | 42 | 46 | 67 | 87 | 36 | 49 | 64 | 81 | 97 | 80 | 36 | 30 | 24 | | 51 | 8 | 2 |
| aq<ui> | 51 | 121 | 289 | 155 | 26 | 40 | 53 | 77 | 96 | 23 | 36 | 73 | 50 | 35 | 6 | 3 | | | | | | |
| bie<n> | 83 | 163 | 436 | 125 | 16 | 35 | 35 | 54 | 39 | 24 | 28 | 47 | 26 | 6 | 2 | | 1 | 3 | | | | 1 |
| c<art>a | | | | | | 1 | 46 | 75 | 195 | 124 | 98 | 219 | 148 | 128 | 55 | 8 | 3 | | | | | |
| co<n> | 651 | 525 | 1014 | 445 | 61 | 217 | 227 | 297 | 383 | 251 | 179 | 408 | 294 | 269 | 87 | 11 | 17 | 40 | | 1 | | 5 |
| d<e> | 135 | 55 | 273 | 230 | 62 | 413 | 345 | 329 | 266 | 329 | 323 | 1071 | 840 | 761 | 744 | 175 | 46 | 31 | 6 | 6 | | 3 |
| d<e>l | 10 | 15 | 166 | 122 | 29 | 115 | 205 | 102 | 107 | 221 | 77 | 399 | 359 | 301 | 316 | 66 | 7 | 11 | | | | |
| d<e>la | 2 | 7 | 99 | 70 | 21 | 73 | 105 | 50 | 35 | 89 | 34 | 154 | 151 | 111 | 108 | 24 | 6 | | | | | |
| d<e>los | 4 | | 39 | 20 | 2 | 14 | 24 | 11 | 12 | 8 | 7 | 27 | 52 | 29 | 30 | 7 | | | | | | |
| d<ic>ha | | | 1 | | | | 11 | 6 | 32 | 120 | 68 | 376 | 354 | 415 | 303 | 323 | 127 | 66 | 14 | 114 | 24 | 217 |
| d<ic>ho | | | | | | | 11 | 18 | 101 | 225 | 135 | 566 | 481 | 646 | 555 | 386 | 229 | 106 | 16 | 215 | 32 | 398 |
| d<ic>hos | | | | | | | 10 | 6 | 21 | 33 | 42 | 130 | 142 | 161 | 136 | 109 | 52 | 27 | 5 | 49 | 3 | 117 |
| dich<o> | 2 | 67 | 321 | 406 | 57 | 240 | 155 | 108 | 5 | 2 | | | 2 | | | | | | | | | |
| do<n> | 452 | 113 | 342 | 275 | 33 | | 3 | 3 | 13 | 6 | 1 | 6 | 15 | 4 | 1 | | | | | 4 | | 1 |
| don<n>a | 132 | 75 | 135 | 98 | 6 | 5 | 7 | 5 | 16 | 16 | | 2 | 16 | 38 | 15 | 12 | | 6 | | | 18 | 1 |
| egl<es>ia | 119 | 136 | 308 | 91 | 9 | 118 | 67 | 4 | 33 | | 15 | 12 | | | | | | | | | | |
| en<e>l | | 2 | 107 | 10 | 9 | 32 | 51 | 85 | 118 | 70 | 24 | 59 | 70 | 52 | 16 | 3 | | | | | | |
| gr<aci>a | 183 | 253 | 271 | 52 | 9 | 4 | 9 | 5 | 12 | 6 | 7 | 12 | 9 | 8 | 12 | 3 | | 1 | | | | |
| jah<e>n | 160 | 173 | 257 | 46 | 6 | 10 | 2 | 2 | 10 | 1 | | 3 | 12 | 1 | | | | | | | | |
| joh<a>n | 252 | 211 | 329 | 153 | 27 | 61 | 49 | 65 | 20 | 2 | 8 | 2 | 8 | 1 | | | | | | | | |
| ma<n>do | 98 | 138 | 180 | 45 | 11 | 19 | 11 | 6 | 60 | 6 | 27 | 55 | 11 | 17 | 5 | | | 1 | | | | |
| man<er>a | 4 | 11 | 115 | 60 | 9 | 37 | 37 | 51 | 89 | 39 | 62 | 61 | 52 | 45 | 29 | 7 | 4 | | | | 2 | |
| n<uest>ra | 43 | 120 | 306 | 44 | 15 | 84 | 61 | 82 | 48 | 13 | 16 | 41 | 157 | 152 | 116 | 121 | 41 | 8 | 5 | 3 | 3 | 15 |
| n<uest>ro | 159 | 276 | 780 | 183 | 28 | 90 | 85 | 121 | 186 | 76 | 70 | 175 | 228 | 250 | 148 | 117 | 32 | 31 | 13 | 25 | 14 | 10 |
| n<uest>ros | 34 | 60 | 222 | 49 | 12 | 29 | 26 | 40 | 35 | 11 | 5 | 33 | 91 | 71 | 36 | 33 | 3 | 6 | 3 | 2 | | |
| nj<n> | 209 | 203 | 717 | 446 | 106 | 253 | 169 | 192 | 327 | 162 | 130 | 224 | 194 | 125 | 27 | | | | | | | |
| no<n> | 740 | 610 | 1135 | 374 | 80 | 161 | 163 | 238 | 252 | 144 | 169 | 297 | 255 | 189 | 62 | 5 | 6 | 6 | | | | |
| ob<is>po | 575 | 390 | 693 | 274 | 49 | 13 | 33 | 11 | 35 | 4 | 9 | 16 | 15 | 16 | 6 | 5 | 1 | 1 | | | 1 | |
| p<ar>a | | 9 | 101 | 65 | 21 | 110 | 130 | 140 | 211 | 143 | 138 | 253 | 199 | 209 | 112 | 62 | 21 | 16 | 3 | 8 | 3 | 2 |
| p<ar>te | 21 | 54 | 59 | 123 | 9 | 27 | 65 | 112 | 109 | 104 | 76 | 144 | 110 | 75 | 58 | 16 | 3 | | | | 1 | |
| p<er>ez | 129 | 126 | 295 | 96 | 6 | 4 | 4 | 10 | 15 | 2 | 2 | 3 | 4 | 1 | | | | | | | | |
| p<er>o | 17 | 27 | 58 | 53 | 7 | 26 | 50 | 59 | 66 | 66 | 28 | 39 | 35 | 21 | 11 | 2 | | | | | | |
| p<ere>z | 47 | 34 | 77 | 113 | 40 | 44 | 32 | 61 | 37 | 7 | 5 | 11 | 4 | 9 | 7 | 5 | 1 | 1 | | | | 1 |
| p<ri>or | 7 | 21 | 49 | 12 | 2 | 33 | 62 | 75 | 17 | 18 | 11 | 37 | 29 | 7 | 7 | | | | | | | |
| q<ua>l | 61 | 99 | 208 | 246 | 51 | 123 | 150 | 112 | 205 | 106 | 145 | 270 | 154 | 141 | 48 | 8 | 21 | 1 | | | | 2 |
| q<ua>nto | 167 | 190 | 364 | 223 | 12 | 44 | 45 | 55 | 87 | 45 | 45 | 64 | 52 | 17 | | | | | | | | |
| q<ua>ntos | 68 | 94 | 165 | 102 | 8 | 22 | 19 | 25 | 49 | 19 | 10 | 21 | 13 | 12 | | | | | | | | |
| q<ui>er | 110 | 136 | 326 | 278 | 36 | 113 | 126 | 78 | 203 | 74 | 84 | 163 | 66 | 53 | 17 | | 1 | 1 | | | | |
| sen<n>or | 54 | 45 | 178 | 127 | 16 | 67 | 53 | 103 | 163 | 108 | 143 | 266 | 252 | 323 | 173 | 104 | 25 | 26 | 2 | 68 | 1 | 5 |
| sobr<e> | 10 | 92 | 192 | 73 | 7 | 22 | 12 | 36 | 40 | 44 | 34 | 45 | 15 | 8 | 1 | | | | | | | |
| t<ie>rra | 14 | 55 | 169 | 41 | 3 | 12 | 10 | 39 | 37 | 140 | 46 | 82 | 91 | 76 | 31 | 5 | 4 | | | | | |
| t<ien>po | | 1 | | 6 | 1 | 25 | 33 | 43 | 66 | 29 | 16 | 37 | 36 | 45 | 16 | 7 | 6 | 7 | 1 | 2 | 1 | |
| v<uest>ra | | 2 | 2 | 4 | 5 | 1 | 4 | 41 | 39 | 22 | 32 | 34 | 51 | 123 | 108 | 52 | 7 | 3 | | 9 | | 3 |
| v<uestra> | | | | | | | | | | | | | | 37 | 37 | 59 | 88 | 182 | 69 | 101 | 83 | |

Fig.2.3c. Distribución concentrada (parte inicial)

| Cct. v. | 1260 | 1280 | 1300 | 1320 | 1340 | 1360 | 1380 | 1400 | 1420 | 1440 | 1460 | 1480 | 1500 | 1520 | 1540 | 1560 | 1580 | 1600 | 1620 | 1640 | 1660 | |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| eglesia | 64 | 8 | 1 | | | | | | | | | | | | | | | | | | | |
| donna | 74 | 4 | 3 | 1 | | | | | | | | | | | | | | | | | | |
| sennor | 33 | 3 | 15 | 5 | | | | | | | | | | | | | | | | | | |
| c<onfirma> | 70 | 118 | 397 | | | | | | | | | | | | | | | | | | | |
| marti<n> | 50 | 81 | 15 | 14 | 1 | | | | 2 | | | | | | | | | | | | | |
| omme | 22 | | 2 | | | | | 1 | | | | | | | | | | | | | | |
| p<or>a | 107 | 71 | 169 | 53 | 3 | | | 6 | | | | | | | | | | | | | | |
| ni<n>gun[oa] | 148 | 141 | 234 | 92 | 1 | 7 | 2 | | | | 1 | | | 1 | | | | | | | | |
| ot<ro>ssi | 8 | 28 | 230 | 31 | 5 | 5 | 2 | | 1 | | | | | | | | | | | | | |
| anno | 271 | 127 | 49 | 9 | | | | | | | | | 3 | | 2 | | 2 | 1 | | | | |
| sanch<o> | | 32 | 199 | 64 | 16 | 10 | 4 | | | | | | | | | 2 | | | | | | |
| p<er>ez | 129 | 126 | 295 | 96 | 6 | 4 | 4 | 10 | 15 | 2 | 2 | 3 | 4 | 1 | | | | | | | | |
| danno | 52 | 7 | 2 | | | | | | | | | | | | | | 1 | | | | | |
| derech<o> | 3 | 33 | 122 | 71 | 6 | 23 | 19 | 4 | 1 | | | | 1 | | | | | | | | | |
| do<n> | 211 | 35 | 131 | 53 | 1 | | | 2 | 1 | | | 2 | | 5 | 1 | 2 | 2 | | | | | |
| ob<is>po | 452 | 113 | 342 | 275 | 33 | | 3 | 3 | 13 | 6 | 1 | 6 | 15 | 4 | 1 | | | | | | 4 | |
| egl<es>ia | 119 | 136 | 308 | 91 | 9 | 118 | 67 | 4 | 33 | | 15 | 12 | | | | | | | | | | 1 |
| tie<n>po | 19 | 17 | 101 | 45 | 5 | 1 | 4 | 4 | 7 | 1 | 6 | 2 | 1 | 1 | | | | | | | | |
| dich<[oa]> | 2 | 69 | 331 | 414 | 57 | 247 | 156 | 109 | 7 | 2 | | | 3 | 1 | | | | | | | | |
| otrossi | 134 | 78 | 112 | 11 | | | 2 | | 1 | | | | | | | | | | | | | |
| m<er>çed | 2 | 27 | 151 | 66 | 16 | 53 | 22 | 55 | 21 | 1 | 2 | 1 | 1 | | | | | | | | | |
| gr<aci>a | 183 | 253 | 271 | 52 | 9 | 4 | 9 | 5 | 12 | 6 | 7 | 12 | 9 | 8 | 12 | 3 | | 1 | | | | |

Fig.2.3d. Matriz de correlación, frecuencia absoluta, distancia total: 14

| Pearson | 1260 | 1280 | 1300 | 1320 | 1340 | 1360 | 1380 | 1400 | 1420 | 1440 | 1460 | 1480 | 1500 | 1520 | 1540 | 1560 | 1580 | 1600 | 1620 | 1640 | 1660 | 1680 |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1260 | 1.000 | .975 | .972 | .967 | .941 | .901 | .913 | .908 | .927 | .918 | .918 | .895 | .910 | .929 | .913 | .901 | .889 | .888 | .900 | .887 | .921 | .874 |
| 1280 | .975 | 1.000 | .998 | .990 | .981 | .949 | .954 | .956 | .956 | .954 | .939 | .928 | .935 | .946 | .922 | .897 | .880 | .877 | .890 | .872 | .908 | .862 |
| 1300 | .972 | .998 | 1.000 | .993 | .984 | .954 | .958 | .959 | .959 | .957 | .942 | .934 | .939 | .947 | .924 | .895 | .877 | .876 | .887 | .869 | .906 | .857 |
| 1320 | .967 | .990 | .993 | 1.000 | .991 | .971 | .969 | .968 | .972 | .967 | .959 | .950 | .955 | .959 | .939 | .912 | .901 | .895 | .908 | .890 | .926 | .874 |
| 1340 | .941 | .981 | .984 | .991 | 1.000 | .984 | .981 | .981 | .976 | .972 | .961 | .954 | .953 | .950 | .928 | .893 | .883 | .877 | .884 | .869 | .901 | .850 |
| 1360 | .901 | .949 | .954 | .971 | .984 | 1.000 | .989 | .985 | .973 | .972 | .962 | .966 | .959 | .945 | .928 | .883 | .876 | .863 | .874 | .854 | .888 | .830 |
| 1380 | .913 | .954 | .958 | .969 | .981 | .989 | 1.000 | .994 | .982 | .983 | .971 | .965 | .956 | .945 | .923 | .877 | .874 | .865 | .870 | .857 | .882 | .832 |
| 1400 | .908 | .956 | .959 | .968 | .981 | .985 | .994 | 1.000 | .989 | .984 | .978 | .966 | .960 | .951 | .927 | .887 | .887 | .878 | .881 | .870 | .892 | .844 |
| 1420 | .927 | .956 | .959 | .972 | .976 | .973 | .982 | .989 | 1.000 | .985 | .993 | .973 | .975 | .971 | .950 | .924 | .927 | .920 | .921 | .916 | .932 | .888 |
| 1440 | .918 | .954 | .957 | .967 | .972 | .972 | .983 | .984 | .985 | 1.000 | .983 | .988 | .984 | .977 | .961 | .921 | .910 | .899 | .902 | .896 | .913 | .890 |
| 1460 | .918 | .939 | .942 | .959 | .961 | .962 | .971 | .978 | .993 | .983 | 1.000 | .978 | .983 | .982 | .968 | .950 | .954 | .948 | .945 | .944 | .950 | .920 |
| 1480 | .895 | .928 | .934 | .950 | .954 | .966 | .965 | .966 | .973 | .988 | .978 | 1.000 | .995 | .983 | .978 | .932 | .917 | .903 | .907 | .900 | .920 | .900 |
| 1500 | .910 | .935 | .939 | .955 | .953 | .959 | .956 | .960 | .975 | .984 | .983 | .995 | 1.000 | .994 | .990 | .958 | .944 | .930 | .936 | .929 | .947 | .927 |
| 1520 | .929 | .946 | .947 | .959 | .950 | .945 | .945 | .951 | .971 | .977 | .982 | .983 | .994 | 1.000 | .995 | .975 | .961 | .952 | .957 | .953 | .966 | .953 |
| 1540 | .913 | .922 | .924 | .939 | .928 | .928 | .923 | .927 | .950 | .961 | .968 | .978 | .990 | .995 | 1.000 | .980 | .962 | .951 | .957 | .952 | .966 | .956 |
| 1560 | .901 | .897 | .895 | .912 | .893 | .883 | .877 | .887 | .924 | .921 | .950 | .932 | .958 | .975 | .980 | 1.000 | .991 | .984 | .988 | .986 | .988 | .987 |
| 1580 | .889 | .880 | .877 | .901 | .883 | .876 | .874 | .887 | .927 | .910 | .954 | .917 | .944 | .961 | .962 | .991 | 1.000 | .994 | .995 | .995 | .991 | .979 |
| 1600 | .888 | .877 | .876 | .895 | .877 | .863 | .865 | .878 | .920 | .899 | .948 | .903 | .930 | .952 | .951 | .984 | .994 | 1.000 | .992 | .997 | .985 | .972 |
| 1620 | .900 | .890 | .887 | .908 | .884 | .874 | .870 | .881 | .921 | .902 | .945 | .907 | .936 | .957 | .957 | .988 | .995 | .992 | 1.000 | .993 | .996 | .972 |
| 1640 | .887 | .872 | .869 | .890 | .869 | .854 | .857 | .870 | .916 | .896 | .944 | .900 | .929 | .953 | .952 | .986 | .995 | .997 | .993 | 1.000 | .988 | .981 |
| 1660 | .921 | .908 | .906 | .926 | .901 | .888 | .882 | .892 | .932 | .913 | .950 | .920 | .947 | .966 | .966 | .988 | .991 | .985 | .996 | .988 | 1.000 | .970 |
| 1680 | .874 | .862 | .857 | .874 | .850 | .830 | .832 | .844 | .888 | .890 | .920 | .900 | .927 | .953 | .956 | .987 | .979 | .972 | .972 | .981 | .970 | 1.000 |

Fig.2.3e. Frecuencia cualitativa (1 / 0)

| >=8 | 1260 | 1280 | 1300 | 1320 | 1340 | 1360 | 1380 | 1400 | 1420 | 1440 | 1460 | 1480 | 1500 | 1520 | 1540 | 1560 | 1580 | 1600 | 1620 | 1640 | 1660 | 1680 | |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| eglesia | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| donna | | 1 | | | | | | | | | | | | | | | | | | | | | |
| senmor | | 1 | | 1 | | | | | | | | | | | | | | | | | | | |
| c<onfirma> | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| marti<n> | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| omne | | 1 | | | | | | | | | | | | | | | | | | | | | |
| p<or>a | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| ni<n>gun[oa] | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| ot<ro>ssi | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| anno | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| sanch<o> | | | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| p<er>ez | | 1 | 1 | 1 | 1 | | | | | 1 | 1 | | | | | | | | | | | | |
| danno | | 1 | | | | | | | | | | | | | | | | | | | | | |
| derech<o> | | | 1 | 1 | 1 | | 1 | 1 | | | | | | | | | | | | | | | |
| p<ero> | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| do<n> | | 1 | 1 | 1 | 1 | 1 | | | | | 1 | | | | | 1 | | | | | | | |
| ob<is>po | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | | | | | | | |
| egl<es>ia | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | | | | | | | | | | |
| tie<n>po | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| dich<[oa]> | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | |
| otrossi | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| m<er>ced | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | |
| gr<aci>a | | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | | | 1 | 1 | 1 | 1 | | | | | | | |

Fig.2.3f. Matriz de correlación, frecuencia cualitativa, distancia total: 10

| Pearson | 1260 | 1280 | 1300 | 1320 | 1340 | 1360 | 1380 | 1400 | 1420 | 1440 | 1460 | 1480 | 1500 | 1520 | 1540 | 1560 | 1580 | 1600 | 1620 | 1640 | 1660 | 1680 |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1260 | 1.000 | .368 | .333 | .160 | .088 | -.008 | -.029 | -.056 | -.053 | -.048 | .028 | -.063 | .014 | .063 | .002 | .134 | .191 | .213 | .143 | .226 | .139 | .186 |
| 1280 | .368 | 1.000 | .723 | .664 | .367 | .428 | .347 | .354 | .295 | .261 | .182 | .235 | .238 | .016 | .022 | .017 | .004 | .024 | .024 | -.022 | -.009 | .049 |
| 1300 | .333 | .723 | 1.000 | .604 | .315 | .378 | .348 | .282 | .325 | .223 | .223 | .157 | .206 | .055 | .061 | .052 | -.059 | -.034 | .061 | -.061 | .010 | .018 |
| 1320 | .160 | .664 | .604 | 1.000 | .403 | .530 | .469 | .478 | .448 | .356 | .308 | .342 | .335 | .065 | .024 | .013 | -.071 | -.026 | .007 | -.202 | -.010 | -.008 |
| 1340 | .088 | .367 | .315 | .403 | 1.000 | .567 | .478 | .442 | .403 | .396 | .318 | .314 | .320 | .155 | .152 | .109 | .124 | .144 | .179 | -.044 | .130 | .127 |
| 1360 | -.008 | .428 | .378 | .530 | .567 | 1.000 | .758 | .746 | .517 | .588 | .438 | .542 | .428 | .132 | .083 | .033 | .051 | .026 | .076 | -.109 | .066 | .085 |
| 1380 | -.029 | .347 | .348 | .469 | .478 | .758 | 1.000 | .751 | .579 | .623 | .565 | .610 | .579 | .247 | .267 | .162 | .111 | .062 | .170 | -.084 | .113 | .147 |
| 1400 | -.056 | .354 | .282 | .478 | .442 | .746 | .751 | 1.000 | .674 | .767 | .576 | .676 | .617 | .285 | .253 | .125 | .101 | .133 | .164 | -.070 | .106 | .169 |
| 1420 | -.053 | .295 | .325 | .448 | .403 | .517 | .579 | .674 | 1.000 | .666 | .697 | .687 | .611 | .442 | .291 | .178 | .094 | .048 | .145 | -.061 | .124 | .188 |
| 1440 | -.048 | .261 | .223 | .356 | .396 | .388 | .623 | .767 | .666 | 1.000 | .666 | .718 | .764 | .453 | .389 | .221 | .168 | .199 | .187 | .002 | .227 | .128 |
| 1460 | .028 | .182 | .223 | .308 | .318 | .438 | .365 | .576 | .697 | .666 | 1.000 | .736 | .709 | .535 | .404 | .355 | .290 | .217 | .291 | .158 | .213 | .347 |
| 1480 | -.063 | .235 | .157 | .342 | .314 | .542 | .610 | .676 | .687 | .718 | .736 | 1.000 | .744 | .549 | .444 | .254 | .222 | .205 | .219 | .080 | .169 | .331 |
| 1500 | .014 | .238 | .206 | .335 | .320 | .428 | .579 | .617 | .611 | .764 | .709 | .744 | 1.000 | .536 | .498 | .378 | .261 | .299 | .275 | .152 | .260 | .357 |
| 1520 | .063 | .016 | .055 | .065 | .155 | .132 | .247 | .285 | .442 | .453 | .535 | .549 | .536 | 1.000 | .624 | .484 | .406 | .392 | .289 | .361 | .291 | .342 |
| 1540 | .002 | .022 | .061 | .024 | .152 | .083 | .267 | .253 | .291 | .389 | .404 | .444 | .498 | .624 | 1.000 | .606 | .563 | .516 | .372 | .413 | .333 | .410 |
| 1560 | .134 | .017 | .052 | .013 | .109 | .033 | .162 | .125 | .178 | .221 | .355 | .254 | .378 | .484 | .606 | 1.000 | .726 | .647 | .465 | .621 | .507 | .545 |
| 1580 | .191 | .004 | -.059 | -.071 | .124 | .051 | .111 | .101 | .094 | .168 | .290 | .222 | .261 | .406 | .563 | .726 | 1.000 | .702 | .549 | .711 | .563 | .669 |
| 1600 | .213 | .024 | -.034 | -.026 | .144 | .026 | .062 | .133 | .048 | .199 | .217 | .205 | .299 | .392 | .316 | .647 | .702 | 1.000 | .565 | .712 | .581 | .719 |
| 1620 | .143 | .024 | .061 | .007 | .179 | .076 | .170 | .164 | .145 | .187 | .291 | .219 | .275 | .289 | .372 | .465 | .549 | .565 | 1.000 | .539 | .684 | .695 |
| 1640 | .226 | -.022 | -.061 | -.202 | -.044 | -.109 | -.084 | -.070 | -.061 | .002 | .158 | .080 | .152 | .361 | .413 | .621 | .711 | .712 | .539 | 1.000 | .577 | .700 |
| 1660 | .139 | -.009 | .010 | -.010 | .130 | .066 | .113 | .106 | .124 | .227 | .213 | .169 | .260 | .291 | .333 | .507 | .563 | .581 | .684 | .577 | 1.000 | .730 |
| 1680 | .186 | .049 | .018 | -.008 | .127 | .085 | .147 | .169 | .188 | .228 | .347 | .331 | .357 | .342 | .410 | .545 | .669 | .719 | .695 | .700 | .730 | 1.000 |

Fig.2.3g. Frecuencia logarítmica

| Log | 1260 | 1280 | 1300 | 1320 | 1340 | 1360 | 1380 | 1400 | 1420 | 1440 | 1460 | 1480 | 1500 | 1520 | 1540 | 1560 | 1580 | 1600 | 1620 | 1640 | 1660 | 1680 | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|
| eglesia | 6.000 | 3.000 | | | | | | | | | | | | | | | | | | | | | |
| donna | 6.209 | 2.000 | 1.585 | | | | | | | | | | | | | | | | | | | | |
| senmor | 5.044 | 1.585 | 3.907 | 2.322 | | | | | | | | | | | | | | | | | | | |
| c<onfirma> | 6.129 | 6.883 | 8.633 | | | | | | | | | | | | | | | | | | | | |
| marti<n> | 5.644 | 6.340 | 3.907 | 3.807 | | | | | 1.000 | | | | | | | | | | | | | | |
| omne | 4.459 | | 1.000 | | | | | | | | | | | | | | | | | | | | |
| p<or>a | 6.741 | 6.150 | 7.401 | 5.728 | 1.585 | | | 2.585 | | | | | | | | | | | | | | | |
| ni<n>gun[oa] | 7.209 | 7.140 | 7.870 | 6.524 | | 2.807 | 1.000 | | | | | | | | | | | | | | | | |
| ot<ro>ssi | 3.000 | 4.807 | 7.845 | 4.954 | 2.322 | 2.322 | 1.000 | | | | | | | | | | | | | | | | |
| anno | 8.082 | 6.989 | 5.615 | 3.170 | | | | | | | | | 1.585 | | 1.000 | | 1.000 | | | | | | |
| sanch<o> | | 5.000 | 7.637 | 6.000 | 4.000 | 3.322 | 2.000 | | | | | | | | | 1.000 | | | | | | | |
| p<er>ez | 7.011 | 6.977 | 8.205 | 6.585 | 2.585 | 2.000 | 2.000 | 3.322 | 3.907 | 1.000 | 1.000 | 1.585 | 2.000 | | | | | | | | | | |
| danno | 5.700 | 2.807 | 1.000 | | | | | | | | | | | | | | | | | | | | |
| derech<o> | 1.585 | 5.044 | 6.931 | 6.150 | 2.585 | 4.324 | 4.248 | 2.000 | | | | | | | | | | | | | | | |
| p<ero> | 7.721 | 5.129 | 7.033 | 5.728 | | | | 1.000 | | | | | | 1.000 | | 2.322 | | 1.000 | 1.000 | | | | |
| do<n> | 8.820 | 6.820 | 8.418 | 8.103 | 5.044 | | 1.585 | 1.585 | 3.700 | 2.585 | | | 2.585 | 3.907 | 2.000 | | | | | | | 2.000 | |
| ob<is>po | 9.167 | 8.607 | 9.437 | 8.098 | 5.615 | 3.700 | 5.044 | 3.459 | 5.129 | 2.000 | 3.170 | 4.000 | 3.907 | 4.000 | 2.585 | 2.322 | | | | | | | |
| egl<es>ia | 6.895 | 7.087 | 8.267 | 6.508 | 3.170 | 6.883 | 6.066 | 2.000 | 5.044 | | 3.907 | 3.585 | | | | | | | | | | | |
| tie<n>po | 4.248 | 4.087 | 6.658 | 5.492 | 2.322 | | 2.000 | 2.000 | 2.807 | | 2.585 | 1.000 | | | | | | | | | | | |
| dich<[oa]> | 1.000 | 6.109 | 8.371 | 8.693 | 5.833 | 7.948 | 7.285 | 6.768 | 2.807 | 1.000 | | | 1.585 | | | | | | | | | | |
| otrossi | 7.066 | 6.285 | 6.807 | 3.459 | | | 1.000 | | | | | | | | | | | | | | | | 2.322 |
| m<er>ced | 1.000 | 4.755 | 7.238 | 6.044 | 4.000 | 5.728 | 4.459 | 5.781 | 4.392 | | 1.000 | | | | | | | | | | | | |
| gr<aci>a | 7.516 | 7.983 | 8.082 | 5.700 | 3.170 | 2.000 | 3.170 | 2.322 | 3.585 | 2.585 | 2.807 | 3.585 | 3.170 | 3.000 | 3.585 | 1.585 | | | | | | | |

Fig.2.3h. Matriz de correlación, frecuencia logarítmica, distancia total: 6

| Pearson | 1260 | 1280 | 1300 | 1320 | 1340 | 1360 | 1380 | 1400 | 1420 | 1440 | 1460 | 1480 | 1500 | 1520 | 1540 | 1560 | 1580 | 1600 | 1620 | 1640 | 1660 | 1680 |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1260 | 1.000 | .796 | .682 | .567 | .465 | .377 | .376 | .322 | .348 | .309 | .379 | .286 | .373 | .366 | .396 | .436 | .467 | .493 | .440 | .440 | .430 | .462 |
| 1280 | .796 | 1.000 | .909 | .815 | .733 | .652 | .617 | .580 | .551 | .477 | .502 | .440 | .448 | .375 | .362 | .323 | .333 | .316 | .341 | .262 | .311 | .347 |
| 1300 | .682 | .909 | 1.000 | .892 | .789 | .730 | .676 | .635 | .606 | .528 | .520 | .470 | .469 | .382 | .354 | .286 | .260 | .272 | .289 | .187 | .278 | .278 |
| 1320 | .567 | .815 | .892 | 1.000 | .841 | .820 | .794 | .752 | .706 | .634 | .570 | .552 | .536 | .423 | .379 | .288 | .236 | .246 | .269 | .143 | .264 | .232 |
| 1340 | .465 | .733 | .789 | .841 | 1.000 | .858 | .807 | .771 | .735 | .672 | .628 | .593 | .589 | .480 | .439 | .296 | .256 | .248 | .294 | .147 | .260 | .232 |
| 1360 | .377 | .652 | .730 | .820 | .858 | 1.000 | .917 | .856 | .764 | .735 | .666 | .665 | .637 | .504 | .470 | .303 | .262 | .260 | .252 | .124 | .240 | .214 |
| 1380 | .376 | .617 | .676 | .794 | .807 | .917 | 1.000 | .906 | .850 | .818 | .775 | .765 | .749 | .608 | .556 | .393 | .347 | .320 | .298 | .188 | .282 | .294 |
| 1400 | .322 | .580 | .635 | .752 | .771 | .856 | .906 | 1.000 | .891 | .877 | .790 | .821 | .776 | .668 | .599 | .391 | .356 | .331 | .313 | .190 | .283 | .291 |
| 1420 | .348 | .551 | .606 | .706 | .735 | .764 | .850 | .891 | 1.000 | .895 | .892 | .872 | .845 | .768 | .682 | .495 | .454 | .420 | .410 | .321 | .385 | .404 |
| 1440 | .309 | .477 | .528 | .634 | .672 | .735 | .818 | .877 | .895 | 1.000 | .866 | .907 | .887 | .802 | .722 | .508 | .459 | .423 | .377 | .290 | .361 | .387 |
| 1460 | .379 | .502 | .520 | .570 | .628 | .666 | .775 | .790 | .892 | .866 | 1.000 | .897 | .905 | .850 | .772 | .634 | .617 | .561 | .527 | .470 | .478 | .531 |
| 1480 | .286 | .440 | .470 | .552 | .593 | .665 | .765 | .821 | .872 | .907 | .897 | 1.000 | .918 | .859 | .785 | .575 | .535 | .484 | .445 | .366 | .400 | .465 |
| 1500 | .373 | .448 | .469 | .536 | .589 | .637 | .749 | .776 | .845 | .887 | .905 | .918 | 1.000 | .908 | .859 | .687 | .639 | .610 | .541 | .478 | .523 | .555 |
| 1520 | .366 | .375 | .382 | .423 | .480 | .504 | .608 | .668 | .768 | .802 | .850 | .859 | .908 | 1.000 | .918 | .785 | .739 | .701 | .609 | .599 | .592 | .626 |
| 1540 | .396 | .362 | .354 | .379 | .439 | .470 | .556 | .599 | .682 | .722 | .772 | .785 | .859 | .918 | 1.000 | .864 | .808 | .760 | .671 | .649 | .636 | .660 |
| 1560 | .436 | .323 | .286 | .288 | .296 | .303 | .393 | .391 | .495 | .508 | .634 | .575 | .687 | .785 | .864 | 1.000 | .908 | .883 | .807 | .840 | .785 | .805 |
| 1580 | .467 | .333 | .260 | .236 | .256 | .262 | .347 | .356 | .454 | .459 | .617 | .535 | .639 | .739 | .808 | .908 | 1.000 | .921 | .851 | .899 | .807 | .865 |
| 1600 | .493 | .316 | .272 | .246 | .248 | .260 | .320 | .331 | .420 | .423 | .561 | .484 | .610 | .701 | .760 | .883 | .921 | 1.000 | .875 | .906 | .857 | .884 |
| 1620 | .440 | .341 | .289 | .269 | .294 | .252 | .298 | .313 | .410 | .377 | .527 | .445 | .541 | .609 | .671 | .807 | .851 | .875 | 1.000 | .870 | .916 | .863 |
| 1640 | .440 | .262 | .187 | .143 | .147 | .124 | .188 | .190 | .321 | .290 | .470 | .366 | .478 | .599 | .649 | .840 | .899 | .906 | .870 | 1.000 | .849 | .904 |
| 1660 | .430 | .311 | .278 | .264 | .260 | .240 | .282 | .283 | .385 | .361 | .478 | .400 | .523 | .592 | .636 | .785 | .807 | .857 | .916 | .849 | 1.000 | .868 |
| 1680 | .462 | .347 | .278 | .232 | .232 | .214 | .294 | .291 | .404 | .387 | .531 | .465 | .555 | .626 | .660 | .805 | .865 | .884 | .863 | .904 | .868 | 1.000 |

Fig.2.3i. Frecuencia ordinal ascendente

| A.R.S.c | 1260 | 1280 | 1300 | 1320 | 1340 | 1360 | 1380 | 1400 | 1420 | 1440 | 1460 | 1480 | 1500 | 1520 | 1540 | 1560 | 1580 | 1600 | 1620 | 1640 | 1660 | 1680 |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| eglesia | 91 | 32 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| donna | 98 | 21 | 14 | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| senhor | 71 | 20 | 33 | 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| c<onfirma> | 94 | 15 | 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| marti<n> | 83 | 107 | 33 | 52 | 44 | 1 | 1 | 1 | 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| omne | 57 | 1 | 10 | 1 | 1 | 1 | 1 | 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| p<or>a | 104 | 102 | 107 | 90 | 65 | 1 | 1 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ni<n>gun[oa] | 116 | 123 | 116 | 14 | 44 | 72 | 37 | 1 | 1 | 1 | 23 | 1 | 1 | 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ot<ro>ssi | 31 | 71 | 14 | 72 | 80 | 67 | 37 | 1 | 24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| anno | 131 | 119 | 58 | 43 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 29 | 1 | 38 | 1 | 63 | 58 | 1 | 1 | 1 | 1 |
| sanch<o> | 1 | 74 | 112 | 99 | 118 | 80 | 49 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 54 | 1 | 1 | 1 | 1 | 1 | 1 |
| p<er>ez | 111 | 118 | 123 | 115 | 86 | 60 | 49 | 69 | 54 | 40 | 31 | 38 | 36 | 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| danno | 85 | 27 | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 46 | 1 | 1 | 1 | 1 | 1 |
| derech<o> | 19 | 75 | 91 | 107 | 86 | 105 | 90 | 53 | 24 | 1 | 1 | 1 | 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| p<ero> | 126 | 79 | 95 | 90 | 44 | 1 | 1 | 41 | 24 | 1 | 1 | 34 | 1 | 36 | 27 | 54 | 63 | 1 | 1 | 1 | 1 | 1 |
| do<n> | 140 | 114 | 128 | 141 | 130 | 1 | 44 | 46 | 53 | 63 | 23 | 47 | 73 | 32 | 27 | 1 | 1 | 1 | 1 | 84 | 1 | 81 |
| ob<is>po | 144 | 141 | 143 | 140 | 140 | 91 | 106 | 71 | 92 | 57 | 62 | 70 | 73 | 63 | 56 | 77 | 46 | 58 | 1 | 1 | 89 | 1 |
| egl<es>ia | 109 | 121 | 125 | 112 | 105 | 140 | 131 | 53 | 87 | 1 | 76 | 61 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| tie<n>po | 53 | 52 | 84 | 85 | 80 | 45 | 49 | 53 | 43 | 31 | 52 | 34 | 18 | 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| dich<[oa]> | 16 | 101 | 127 | 146 | 142 | 149 | 143 | 135 | 43 | 40 | 1 | 1 | 29 | 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| otrossi | 113 | 106 | 88 | 47 | 1 | 1 | 37 | 1 | 24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 104 |
| m<er>ced | 16 | 68 | 102 | 102 | 118 | 128 | 93 | 117 | 70 | 31 | 31 | 27 | 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| gr<aci>a | 122 | 135 | 119 | 89 | 105 | 60 | 73 | 59 | 51 | 63 | 55 | 61 | 57 | 44 | 85 | 64 | 1 | 58 | 1 | 1 | 1 | 1 |

Fig.2.3j. Matriz de correlación, frecuencia ordinal ascendente, distancia total: 2

| Pearson | 1260 | 1280 | 1300 | 1320 | 1340 | 1360 | 1380 | 1400 | 1420 | 1440 | 1460 | 1480 | 1500 | 1520 | 1540 | 1560 | 1580 | 1600 | 1620 | 1640 | 1660 | 1680 |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1260 | 1.000 | .774 | .647 | .525 | .345 | .274 | .299 | .233 | .281 | .195 | .293 | .197 | .288 | .272 | .299 | .322 | .352 | .383 | .240 | .296 | .261 | .393 |
| 1280 | .774 | 1.000 | .897 | .784 | .685 | .579 | .563 | .505 | .498 | .403 | .420 | .364 | .387 | .294 | .254 | .176 | .166 | .163 | .069 | .076 | .087 | .235 |
| 1300 | .647 | .897 | 1.000 | .889 | .800 | .712 | .654 | .608 | .577 | .486 | .461 | .432 | .421 | .315 | .253 | .130 | .091 | .102 | .006 | -.005 | .048 | .149 |
| 1320 | .525 | .784 | .889 | 1.000 | .874 | .811 | .778 | .733 | .689 | .605 | .528 | .519 | .500 | .379 | .302 | .151 | .078 | .097 | -.010 | .005 | .049 | .110 |
| 1340 | .345 | .685 | .800 | .874 | 1.000 | .836 | .761 | .745 | .716 | .653 | .574 | .541 | .522 | .392 | .301 | .096 | .030 | .041 | -.058 | -.082 | -.058 | .024 |
| 1360 | .274 | .579 | .712 | .811 | .836 | 1.000 | .896 | .827 | .750 | .706 | .619 | .610 | .580 | .437 | .358 | .124 | .079 | .072 | -.046 | -.071 | -.015 | -.001 |
| 1380 | .299 | .563 | .654 | .778 | .761 | .896 | 1.000 | .877 | .839 | .787 | .742 | .721 | .707 | .559 | .459 | .244 | .195 | .155 | .018 | .030 | .039 | .115 |
| 1400 | .233 | .505 | .608 | .733 | .745 | .827 | .877 | 1.000 | .871 | .866 | .759 | .801 | .755 | .652 | .530 | .260 | .231 | .180 | .051 | .040 | .062 | .124 |
| 1420 | .281 | .498 | .577 | .689 | .716 | .750 | .839 | .871 | 1.000 | .895 | .883 | .861 | .832 | .752 | .635 | .394 | .360 | .294 | .185 | .199 | .181 | .285 |
| 1440 | .195 | .403 | .486 | .605 | .653 | .706 | .787 | .866 | .895 | 1.000 | .842 | .897 | .870 | .781 | .663 | .381 | .318 | .265 | .139 | .148 | .130 | .220 |
| 1460 | .293 | .420 | .461 | .528 | .574 | .619 | .742 | .759 | .883 | .842 | 1.000 | .888 | .894 | .834 | .729 | .542 | .521 | .437 | .335 | .339 | .284 | .384 |
| 1480 | .197 | .364 | .432 | .519 | .541 | .610 | .721 | .801 | .861 | .897 | .888 | 1.000 | .911 | .848 | .742 | .481 | .449 | .364 | .254 | .244 | .229 | .337 |
| 1500 | .288 | .387 | .421 | .500 | .522 | .580 | .707 | .755 | .832 | .870 | .894 | .911 | 1.000 | .890 | .827 | .594 | .542 | .494 | .336 | .342 | .331 | .415 |
| 1520 | .272 | .294 | .315 | .379 | .392 | .437 | .559 | .652 | .752 | .781 | .834 | .848 | .890 | 1.000 | .906 | .750 | .696 | .642 | .495 | .520 | .488 | .543 |
| 1540 | .299 | .254 | .253 | .302 | .301 | .358 | .459 | .530 | .635 | .663 | .729 | .742 | .827 | .906 | 1.000 | .841 | .770 | .718 | .546 | .569 | .549 | .559 |
| 1560 | .322 | .176 | .130 | .151 | .096 | .124 | .244 | .260 | .394 | .381 | .542 | .481 | .594 | .750 | .841 | 1.000 | .857 | .831 | .705 | .765 | .733 | .705 |
| 1580 | .352 | .166 | .091 | .078 | .030 | .079 | .195 | .231 | .360 | .318 | .521 | .449 | .542 | .696 | .770 | .857 | 1.000 | .876 | .805 | .816 | .729 | .754 |
| 1600 | .383 | .163 | .102 | .097 | .041 | .072 | .155 | .180 | .294 | .265 | .437 | .364 | .494 | .642 | .718 | .831 | .876 | 1.000 | .806 | .836 | .780 | .791 |
| 1620 | .240 | .069 | .006 | -.010 | -.058 | -.046 | .018 | .051 | .185 | .139 | .335 | .254 | .336 | .495 | .546 | .705 | .805 | .806 | 1.000 | .880 | .802 | .759 |
| 1640 | .296 | .076 | -.005 | .005 | -.082 | -.071 | .030 | .040 | .199 | .148 | .339 | .244 | .342 | .520 | .569 | .765 | .816 | .836 | .880 | 1.000 | .812 | .844 |
| 1660 | .261 | .087 | .048 | .049 | -.058 | -.015 | .039 | .062 | .181 | .130 | .284 | .229 | .331 | .488 | .549 | .733 | .729 | .780 | .802 | .812 | 1.000 | .733 |
| 1680 | .393 | .235 | .149 | .110 | .024 | -.001 | .115 | .124 | .285 | .220 | .384 | .337 | .415 | .543 | .559 | .705 | .754 | .791 | .759 | .844 | .733 | 1.000 |

| 1440 | 1460 |
|--------------|--------------|
| .195 | .293 |
| .403 | .420 |
| .486 | .461 |
| .605 | .528 |
| .653 | .574 |
| .706 | .619 |
| .787 | .742 |
| .866 | .759 |
| .895 | .883 |
| 1.000 | .842 |
| .842 | 1.000 |
| .897 | .888 |
| .870 | .894 |
| .781 | .834 |
| .663 | .729 |
| .381 | .542 |
| .318 | .521 |
| .265 | .437 |
| .139 | .335 |
| .148 | .339 |
| .130 | .284 |
| .220 | .384 |

Fig.2.3k. Extractos de 1440 y 1460

3. Práctica de datación

3.1. Pruebas de documentos con fecha

Fig.3.1a. Matriz de correlación. CODEA:0001 (1260)

| Pearson | 1260c | 1260 | 1280 | 1300 | 1320 | 1340 | 1360 | 1380 | 1400 | 1420 | 1440 | 1460 | 1480 | 1500 | 1520 | 1540 | 1560 | 1580 | 1600 | 1620 | 1640 | 1660 | 1680 |
|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1260c1 | 1.000 | .643 | .372 | .512 | .495 | .351 | .354 | .360 | .376 | .345 | .357 | .397 | .323 | .372 | .329 | .298 | .237 | .298 | .299 | .225 | .221 | .196 | .296 |
| 1260 | .643 | 1.000 | .772 | .645 | .522 | .343 | .273 | .297 | .231 | .279 | .193 | .291 | .195 | .286 | .272 | .299 | .323 | .352 | .384 | .240 | .297 | .261 | .393 |
| 1280 | .372 | .772 | 1.000 | .897 | .784 | .685 | .579 | .563 | .505 | .498 | .403 | .420 | .364 | .387 | .294 | .254 | .176 | .166 | .163 | .069 | .076 | .087 | .235 |
| 1300 | .512 | .645 | .897 | 1.000 | .889 | .800 | .712 | .654 | .608 | .577 | .486 | .461 | .432 | .421 | .315 | .253 | .130 | .091 | .102 | .006 | -.005 | .048 | .149 |
| 1320 | .495 | .522 | .784 | .889 | 1.000 | .874 | .811 | .778 | .733 | .689 | .605 | .528 | .519 | .500 | .379 | .302 | .151 | .078 | .097 | -.010 | .005 | .049 | .110 |
| 1340 | .351 | .343 | .685 | .800 | .874 | 1.000 | .836 | .761 | .745 | .716 | .653 | .574 | .541 | .522 | .392 | .301 | .096 | .030 | .041 | -.058 | -.082 | -.058 | .024 |
| 1360 | .354 | .273 | .579 | .712 | .811 | .836 | 1.000 | .896 | .827 | .750 | .706 | .619 | .610 | .580 | .437 | .358 | .124 | .079 | .072 | -.046 | -.071 | -.015 | -.001 |
| 1380 | .360 | .297 | .563 | .654 | .778 | .761 | .896 | 1.000 | .877 | .839 | .787 | .742 | .721 | .707 | .559 | .459 | .244 | .195 | .155 | .018 | .030 | .039 | .115 |
| 1400 | .376 | .231 | .505 | .608 | .733 | .745 | .827 | .877 | 1.000 | .871 | .866 | .759 | .801 | .755 | .652 | .530 | .260 | .231 | .180 | .051 | .040 | .062 | .124 |
| 1420 | .345 | .279 | .498 | .577 | .689 | .716 | .750 | .839 | .871 | 1.000 | .895 | .883 | .861 | .832 | .752 | .635 | .394 | .360 | .294 | .185 | .199 | .181 | .285 |
| 1440 | .357 | .193 | .403 | .486 | .605 | .653 | .706 | .787 | .866 | .895 | 1.000 | .842 | .897 | .870 | .781 | .663 | .381 | .318 | .265 | .139 | .148 | .130 | .220 |
| 1460 | .397 | .291 | .420 | .461 | .528 | .574 | .619 | .742 | .759 | .883 | .842 | 1.000 | .888 | .894 | .834 | .729 | .542 | .521 | .437 | .335 | .339 | .284 | .384 |
| 1480 | .323 | .195 | .364 | .432 | .519 | .541 | .610 | .721 | .801 | .861 | .897 | .888 | 1.000 | .911 | .848 | .742 | .481 | .449 | .364 | .254 | .244 | .229 | .337 |
| 1500 | .372 | .286 | .387 | .421 | .500 | .522 | .580 | .707 | .755 | .832 | .870 | .894 | .911 | 1.000 | .890 | .827 | .594 | .542 | .494 | .336 | .342 | .331 | .415 |
| 1520 | .329 | .272 | .294 | .315 | .379 | .392 | .437 | .559 | .652 | .752 | .781 | .834 | .848 | .890 | 1.000 | .906 | .750 | .696 | .642 | .495 | .520 | .488 | .543 |
| 1540 | .298 | .299 | .254 | .253 | .302 | .301 | .358 | .459 | .530 | .635 | .663 | .729 | .742 | .827 | .906 | 1.000 | .841 | .770 | .718 | .546 | .569 | .549 | .559 |
| 1560 | .237 | .323 | .176 | .130 | .151 | .096 | .124 | .244 | .260 | .394 | .381 | .542 | .481 | .594 | .750 | .841 | 1.000 | .857 | .831 | .705 | .765 | .733 | .705 |
| 1580 | .298 | .352 | .166 | .091 | .078 | .030 | .079 | .195 | .231 | .360 | .318 | .521 | .449 | .542 | .696 | .770 | .857 | 1.000 | .876 | .805 | .816 | .729 | .754 |
| 1600 | .299 | .384 | .163 | .102 | .097 | .041 | .072 | .155 | .180 | .294 | .265 | .437 | .364 | .494 | .642 | .718 | .831 | .876 | 1.000 | .806 | .836 | .780 | .791 |
| 1620 | .225 | .240 | .069 | .006 | -.010 | -.058 | -.046 | .018 | .051 | .185 | .139 | .335 | .254 | .336 | .495 | .546 | .705 | .805 | .806 | 1.000 | .880 | .802 | .759 |
| 1640 | .221 | .297 | .076 | -.005 | .005 | -.082 | -.071 | .030 | .040 | .199 | .148 | .339 | .244 | .342 | .520 | .569 | .765 | .816 | .836 | .880 | 1.000 | .812 | .844 |
| 1660 | .196 | .261 | .087 | .048 | .049 | -.058 | -.015 | .039 | .062 | .181 | .130 | .284 | .229 | .331 | .488 | .549 | .733 | .729 | .780 | .802 | .812 | 1.000 | .733 |
| 1680 | .296 | .393 | .235 | .149 | .110 | .024 | -.001 | .115 | .124 | .285 | .220 | .384 | .337 | .415 | .543 | .559 | .705 | .754 | .791 | .759 | .844 | .733 | 1.000 |

| | |
|---------------|--------------|
| Pearson | 1260c1 |
| 1260c1 | 1.000 |
| 1260 | .643 |
| 1280 | .572 |
| 1300 | .512 |

Fig.3.1b. Ampliación

Fig.3.1c. Experimentos con siete documentos con fecha

| Documento | Región | Tipo d. | Año | Año est. | correl. | Diferencia |
|-----------|--------|---------|------|----------|---------|------------|
| C:0001 | AN | C | 1260 | 1260 | .643 | + - 0 |
| Sal:091 | CV | C | 1260 | 1280 | .774 | + 20 |
| C:0125 | CN | C | 1340 | 1360 | .649 | + 20 |
| C:0210 | CV | M | 1420 | 1460 | .584 | + 40 |
| C:0022 | CV | C | 1500 | 1460 | .664 | - 40 |
| C:0030 | CV | C | 1580 | 1560 | .591 | - 20 |
| C:1050 | AN | E | 1640 | 1660 | .576 | + 20 |

3.2. Datación de documentos sin fecha

Fig.3.2.1a. Matriz de correlación. C1, CODEA:0854 sin fecha

| Pearson | 1260 | 1280 | 1300 | 1320 | 1340 | 1360 | 1380 | 1400 | 1420 | 1440 | 1460 | 1480 | 1500 | 1520 | 1540 | 1560 | 1580 | 1600 | 1620 | 1640 | 1660 | 1680 | X |
|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1260 | 1.000 | .774 | .647 | .525 | .345 | .274 | .299 | .233 | .281 | .195 | .293 | .197 | .288 | .272 | .299 | .322 | .352 | .383 | .240 | .296 | .261 | .393 | .484 |
| 1280 | .774 | 1.000 | .897 | .784 | .685 | .579 | .563 | .505 | .498 | .403 | .420 | .364 | .387 | .294 | .254 | .176 | .166 | .163 | .069 | .076 | .087 | .235 | .522 |
| 1300 | .647 | .897 | 1.000 | .889 | .800 | .712 | .654 | .608 | .577 | .486 | .461 | .432 | .421 | .315 | .253 | .130 | .091 | .102 | .006 | -.005 | .048 | .149 | .501 |
| 1320 | .525 | .784 | .889 | 1.000 | .874 | .811 | .778 | .733 | .689 | .605 | .528 | .519 | .500 | .379 | .302 | .151 | .078 | .097 | -.010 | .005 | .049 | .110 | .449 |
| 1340 | .345 | .685 | .800 | .874 | 1.000 | .836 | .761 | .745 | .716 | .653 | .574 | .541 | .522 | .392 | .301 | .096 | .030 | .041 | -.058 | -.082 | -.058 | .024 | .453 |
| 1360 | .274 | .579 | .712 | .811 | .836 | 1.000 | .896 | .827 | .750 | .706 | .619 | .610 | .580 | .437 | .358 | .124 | .079 | .072 | -.046 | -.071 | -.015 | -.001 | .401 |
| 1380 | .299 | .563 | .654 | .778 | .761 | .896 | 1.000 | .877 | .839 | .787 | .742 | .721 | .707 | .559 | .459 | .244 | .195 | .155 | .018 | .030 | .039 | .115 | .414 |
| 1400 | .233 | .505 | .608 | .733 | .745 | .827 | .877 | 1.000 | .871 | .866 | .759 | .801 | .755 | .652 | .530 | .260 | .231 | .180 | .051 | .040 | .062 | .124 | .394 |
| 1420 | .281 | .498 | .577 | .689 | .716 | .750 | .839 | .871 | 1.000 | .895 | .883 | .861 | .832 | .752 | .635 | .394 | .360 | .294 | .185 | .199 | .181 | .285 | .429 |
| 1440 | .195 | .403 | .486 | .605 | .653 | .706 | .787 | .866 | .895 | 1.000 | .842 | .897 | .870 | .781 | .663 | .381 | .318 | .265 | .139 | .148 | .130 | .220 | .421 |
| 1460 | .293 | .420 | .461 | .528 | .574 | .619 | .742 | .759 | .883 | .842 | 1.000 | .888 | .894 | .834 | .729 | .542 | .521 | .437 | .335 | .339 | .284 | .384 | .425 |
| 1480 | .197 | .364 | .432 | .519 | .541 | .610 | .721 | .801 | .861 | .897 | .888 | 1.000 | .911 | .848 | .742 | .581 | .449 | .364 | .254 | .244 | .229 | .337 | .407 |
| 1500 | .288 | .387 | .421 | .500 | .522 | .580 | .707 | .755 | .832 | .870 | .894 | .911 | 1.000 | .890 | .827 | .594 | .542 | .494 | .336 | .342 | .331 | .415 | .409 |
| 1520 | .272 | .294 | .315 | .379 | .392 | .437 | .559 | .652 | .752 | .781 | .834 | .848 | .890 | 1.000 | .906 | .750 | .696 | .642 | .495 | .520 | .488 | .543 | .403 |
| 1540 | .299 | .254 | .253 | .302 | .301 | .358 | .459 | .530 | .635 | .663 | .729 | .742 | .827 | .906 | 1.000 | .841 | .770 | .718 | .546 | .569 | .549 | .559 | .401 |
| 1560 | .322 | .176 | .130 | .151 | .096 | .124 | .244 | .260 | .394 | .381 | .542 | .481 | .594 | .750 | .841 | 1.000 | .857 | .831 | .705 | .765 | .733 | .705 | .343 |
| 1580 | .352 | .166 | .091 | .078 | .030 | .079 | .195 | .231 | .360 | .318 | .521 | .449 | .542 | .696 | .770 | .857 | 1.000 | .876 | .805 | .816 | .729 | .754 | .336 |
| 1600 | .383 | .163 | .102 | .097 | .041 | .072 | .155 | .180 | .294 | .265 | .437 | .364 | .494 | .642 | .718 | .831 | .876 | 1.000 | .806 | .836 | .780 | .791 | .339 |
| 1620 | .240 | .069 | .006 | -.010 | -.058 | -.046 | .018 | .051 | .185 | .139 | .335 | .254 | .336 | .495 | .546 | .705 | .805 | .806 | 1.000 | .880 | .802 | .812 | .319 |
| 1640 | .296 | .076 | -.005 | .005 | -.082 | -.071 | .030 | .040 | .199 | .148 | .339 | .244 | .342 | .520 | .569 | .765 | .816 | .836 | .880 | 1.000 | .812 | .844 | .284 |
| 1660 | .261 | .087 | .048 | .049 | -.058 | -.015 | .039 | .062 | .181 | .130 | .284 | .229 | .331 | .488 | .549 | .733 | .729 | .780 | .802 | .812 | 1.000 | .733 | .246 |
| 1680 | .393 | .235 | .149 | .110 | .024 | -.001 | .115 | .124 | .285 | .220 | .384 | .337 | .415 | .543 | .559 | .705 | .754 | .791 | .759 | .844 | .733 | 1.000 | .318 |
| X | .484 | .522 | .501 | .449 | .453 | .401 | .414 | .394 | .429 | .421 | .425 | .407 | .409 | .403 | .401 | .343 | .336 | .339 | .319 | .284 | .246 | .318 | 1.000 |

| Pearson | 1260 | (...) | 1680 | X |
|-------------|--------------|-------|-------|-------------|
| 1260 | 1.000 | (...) | .393 | .484 |
| 1280 | .774 | (...) | .235 | .522 |
| 1300 | .647 | (...) | .149 | .501 |
| 1320 | .525 | (...) | .110 | .449 |
| 1340 | .345 | (...) | .024 | .453 |
| 1360 | .274 | (...) | -.001 | .401 |
| 1380 | .299 | (...) | .115 | .414 |
| 1400 | .233 | (...) | .124 | .394 |

Fig.3.2.1b. Datación 1280

Don **alfonss**o por la gr<aci>a de dios **Rey de Castiell<a> de Toledo de Leo<n> de Gallizia de Seull<a> de Cordoua de Murçia de jah<e>n & del algarb<e>**. (...) Era de mill. &. ccc. **** an<n>os P<edro> ioh<a>n la ffizo escriujr por ma<n>dado del Rey.

| Pearson | 1260 | (...) | 1680 | X |
|-------------|--------------|-------|-------|-------------|
| 1260 | 1.000 | (...) | .393 | .510 |
| 1280 | .774 | (...) | .235 | .448 |
| 1300 | .647 | (...) | .149 | .388 |
| 1320 | .525 | (...) | .110 | .345 |
| 1340 | .345 | (...) | .024 | .281 |
| 1360 | .274 | (...) | -.001 | .253 |
| 1380 | .299 | (...) | .115 | .241 |
| 1400 | .233 | (...) | .124 | .267 |
| 1420 | .281 | (...) | .285 | .300 |

Fig.3.2.2b.Datación 1260

Connocida cosa sea. A todos los omnes que esta carta vieren. Como yo Infante **don Anric. fijo del Rey don fferrando. Rey de Castiella. e de Toledo. e de LeoN. e de Gallizia. e de Seuilla. e de Cordoua. e de Murcia. e de Jaen.**

| Pearson | 1260 | 1280 | (...) | 1660 | 1680 | X |
|-------------|--------------|--------------|-------|-------|-------|-------------|
| 1260 | 1.000 | .774 | (...) | .261 | .393 | .308 |
| 1280 | .774 | 1.000 | (...) | .087 | .235 | .341 |
| 1300 | .647 | .897 | (...) | .048 | .149 | .392 |
| 1320 | .525 | .784 | (...) | .049 | .110 | .426 |
| 1340 | .345 | .685 | (...) | -.058 | .024 | .436 |
| 1360 | .274 | .579 | (...) | -.015 | -.001 | .430 |
| 1380 | .299 | .563 | (...) | .039 | .115 | .447 |
| 1400 | .233 | .505 | (...) | .062 | .124 | .450 |
| 1420 | .281 | .498 | (...) | .181 | .285 | .456 |
| 1440 | .195 | .403 | (...) | .130 | .220 | .424 |
| 1460 | .293 | .420 | (...) | .284 | .384 | .464 |

Fig. 3.2.3b. Datación 1460

(...) muy alta y muy poderosa **p<ri>ncessa dona ana** por la gr<aci>a de dios **Reyna de Francia duq<ue>ssa debretan<n>a** ec<etera> n<uest>ra muy cara y muy amada hermana y sobrina (nos tachado) ec<etera> Recebimos v<uest>ra carta q<ue> nos truxo el sen<n>or de borne v<uest>ro panatier

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