**Online Supplement. Tables for Descriptive and Inferential Statistical Analyses.**

Table 1. Descriptive statistics for media types of dated texts in dataset.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Media | |
|  |  | monument | portable |
|  | Frequency | 357 | 14 |
|  | % | 96.23% | 3.77% |
| Gregorian | Mean | 704.98 | 669.07 |
|  | Median | 717 | 706 |
|  | Modal | 692 | 554 |
|  | Std. Deviation | 87.7 | 113.33 |
|  | Minimum | 393 | 455 |
|  | Maximum | 906 | 799 |
|  | Range | 513 | 344 |
|  | Mean ± Std. | 704.98 ± 87.7 | 669.07 ± 113.33 |

Table 2. Descriptive statistics for functions of graphemes in holding site of dated texts in dataset.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Function | | |
|  |  | Subject | LexDeterm | Object |
|  | Frequency | 190 | 40 | 141 |
|  | % | 51.21% | 10.78% | 38.01% |
| Gregorian | Mean | 705.68 | 756.55 | 685.83 |
|  | Median | 720 | 742.5 | 702 |
|  | Modal | 692 | 692 | 683 |
|  | Std. Deviation | 75.47 | 86.01 | 99.99 |
|  | Minimum | 393 | 475 | 455 |
|  | Maximum | 878 | 906 | 859 |
|  | Range | 485 | 431 | 404 |
|  | Mean ± Std. | 705.68 ± 75.47 | 756.55 ± 86.01 | 685.83 ± 99.99 |

Table 3. Logistic Regression Results and Classification Table for dated texts (N = 371).

a. Logistic Regression Results

|  |  |  |
| --- | --- | --- |
| Total number of cases | Correct assignments | In percent |
| 371 | 202 | 54.45% |

b. Logistic Regression Classification Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Predicted | | | |
|  |  | Subject | LexDeterm | Object | Correct |
| Observed | Subject | 175 | 3 | 12 | 92.11% |
|  | LexDeterm | 34 | 5 | 1 | 12.5% |
|  | Object | 119 | 0 | 22 | 15.6% |
|  | Total |  |  |  | 54.45% |

Table 4. Logistic Regression Model for Subject Function in dated texts.

a. Subject Chi-squared Test

|  |  |  |
| --- | --- | --- |
| Chi2 | df | p |
| 5.53 | 2 | 0.06 |

b. Subject Model Summary

|  |  |
| --- | --- |
| Cox & Snell R Squared | Nagelkerke R Squared |
| 0.01 | 0.02 |

c. LR Subject Model

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Coefficient B | Standard error | z | p | Odds Ratio | 95% conf. interval |
| Gregorian | 0 | 0 | 0.29 | 0.774 | 1 | 1 - 1 |
| Monument | 1.38 | 0.66 | 2.09 | ***0.036*** | 3.99 | 1.09 - 14.57 |
| Constant | -1.53 | 1.03 | 1.48 | 0.138 |  |  |

Table 5. Logistic Regression Model for Lexical Determinative Function in dated texts.

a. Lexical Determinative Chi-squared Test

|  |  |  |
| --- | --- | --- |
| Chi2 | df | p |
| 27.6 | 2 | 0 |

b. Lexical Determinative Model Summary

|  |  |
| --- | --- |
| Cox & Snell R Squared | Nagelkerke R Squared |
| 0.07 | 0.14 |

c. LR Lexical Determinative Model

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Coefficient B | Standard error | z | p | Odds Ratio | 95% conf. interval |
| Gregorian | 0.01 | 0 | 4.12 | ***<.001*** | 1.01 | 1.01 - 1.02 |
| Monument | -2.08 | 0.65 | 3.18 | ***0.001*** | 0.13 | 0.03 - 0.45 |
| Constant | -7.82 | 1.91 | 4.1 | <.001 |  |  |

Table 6. Logistic Regression Model for Object Function in dated texts.

a. Object Chi-squared Test

|  |  |  |
| --- | --- | --- |
| Chi2 | df | p |
| 9.13 | 2 | 0.01 |

b. Object Model Summary

|  |  |
| --- | --- |
| Cox & Snell R Squared | Nagelkerke R Squared |
| 0.02 | 0.03 |

c. LR Object Model

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Coefficient B | Standard error | z | p | Odds Ratio | 95% conf. interval |
| Gregorian | 0 | 0 | 2.96 | ***0.003*** | 1 | 0.99 - 1 |
| Monument | -0.08 | 0.56 | 0.14 | 0.885 | 0.92 | 0.31 - 2.78 |
| Constant | 2.14 | 0.98 | 2.17 | 0.03 |  |  |

Table 7. Logistic Regression: All texts in dataset (N = 438).

a. Result.

| Total number of cases | Correct assignments | In percent |
| --- | --- | --- |
| 438 | 258 | 58.9 % |

b. LR Classification Table.

|  |  | Predicted | | | |
| --- | --- | --- | --- | --- | --- |
|  |  | LexDeterm | Object | Subject | Correct |
| Observed | LexDeterm | 55 | 1 | 42 | 56.12 % |
|  | Object | 2 | 32 | 111 | 22.07 % |
|  | Subject | 4 | 20 | 171 | 87.69 % |
|  | Total |  |  |  | 58.9 % |

Table 8. Logistic Regression Model for Lexical Determinative Function in all texts.

a. Chi-squared Test

| Chi2 | df | p |
| --- | --- | --- |
| 162.77 | 2 | 0 |

b. LR Model Summary

| Cox & Snell R Squared | Nagelkerke R Squared |
| --- | --- |
| 0.31 | 0.47 |

c. LR Model

|  | Coefficient B | Standard error | z | p | Odds Ratio | 95% conf. interval |
| --- | --- | --- | --- | --- | --- | --- |
| Early Classic | -3.87 | 1.12 | 3.46 | ***.001*** | 0.02 | 0 - 0.19 |
| monument | -3.95 | 0.43 | 9.13 | ***<.001*** | 0.02 | 0.01 - 0.04 |
| Constant | 2.07 | 0.4 | 5.15 | <.001 |  |  |

Table 9. Logistic Regression Model for Object Function in all texts.

a. Chi-squared Test

| Chi2 | df | p |
| --- | --- | --- |
| 39.79 | 2 | 0 |

b. LR Model Summary

| Cox & Snell R Squared | Nagelkerke R Squared |
| --- | --- |
| 0.09 | 0.12 |

c. LR Model

|  | Coefficient B | Standard error | z | p | Odds Ratio | 95% conf. interval |
| --- | --- | --- | --- | --- | --- | --- |
| Early Classic | 1.31 | 0.31 | 4.19 | ***<.001*** | 3.69 | 2 - 6.8 |
| monument | 1.63 | 0.42 | 3.88 | ***<.001*** | 5.1 | 2.24 - 11.63 |
| Constant | -2.33 | 0.41 | 5.69 | <.001 |  |  |

Table 10. Logistic Regression Model for Subject Function in all texts.

a. Chi-squared Test

| Chi2 | df | p |
| --- | --- | --- |
| 54.19 | 2 | 0 |

b. LR Model Summary

| Cox & Snell R Squared | Nagelkerke R Squared |
| --- | --- |
| 0.12 | 0.16 |

c. LR Model

|  | Coefficient B | Standard error | z | p | Odds Ratio | 95% conf. interval |
| --- | --- | --- | --- | --- | --- | --- |
| Early Classic | -0.43 | 0.31 | 1.38 | .168 | 0.65 | 0.35 - 1.2 |
| monument | 2.59 | 0.48 | 5.43 | <.001 | 13.3 | 5.22 - 33.87 |
| Constant | -2.49 | 0.47 | 5.34 | <.001 |  |  |