

*RAILS*

*Institution #1*
Analysis by Megan Oakleaf & Bei Yu

Table: librarian: 1; faculty: 2

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Institution | A | B | C | D | E | F | G | H | J | K | L |
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

Summary of Krippendorff’s Alpha

|  |  |  |  |
| --- | --- | --- | --- |
| Score | Librarian | Faculty | All judges |
| Criterion 1 (124032) | .5270 | .2764 | .3556 |
| Criterion 2 (124033) | .4748 | .2335 | .3188 |
| Criterion 3 (124034) | .5089 | .3225 | .4060 |
| Total  | .6235 | .3494 | .4631 |

Pairwise measure on Criterion 1 (124032):

Mean kappa value = 14.987/55=.272

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E | 1F | 1G | 1H | 1J | 1K | 1L |
| 1A | .436 | .350\* | .437 | .217 | .049 | .303 | .036 | 236 | 352 | .294 |
| 1B |  | .611\* | .605 | .277 | .147 | .537 | .053 | .389 | .420 | .505 |
| 1C |  |  | .541\* | .218\* | .118\* | .465\* | -\* | .427\* | .284\* | .360\* |
| 1D |  |  |  | .345 | .135 | .561 | .098 | .396 | .383 | .421 |
| 1E |  |  |  |  | .045 | .323 | .089 | .153 | .282 | .185 |
| 1F |  |  |  |  |  | .234 | -.042 | .319 | .263 | .158 |
| 1G |  |  |  |  |  |  | .021 | .376 | .313 | .441 |
| 1H |  |  |  |  |  |  |  | .015 | .064 | .106 |
| 1J |  |  |  |  |  |  |  |  | .294 | .300 |
| 1K |  |  |  |  |  |  |  |  |  | .382 |
| Note: 1C did not give any score 1, so SPSS couldn’t compute kappa. Used Vassar web app instead. “1C vs. 1H” is not computable by Vassar web app because it is negative value, and should be very small. When computing the mean, it was replaced with zero. |

Mean kappa value for librarians (1) = 4.037/10=.404

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E |
| 1A | .436 | .350\* | .437 | .217 |
| 1B |  | .611\* | .605 | .277 |
| 1C |  |  | .541\* | .218\* |
| 1D |  |  |  | .345 |

Mean kappa value for faculty (2) = 3.244/15=.216

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1G | 1H | 1J | 1K | 1L |
| 1F | .234 | -.042 | .319 | .263 | .158 |
| 1G |  | .021 | .376 | .313 | .441 |
| 1H |  |  | .015 | .064 | .106 |
| 1J |  |  |  | .294 | .300 |
| 1K |  |  |  |  | .382 |

Pairwise measure on Criterion 2 (124033):

Mean kappa value = 12.668/55=.230

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E | 1F | 1G | 1H | 1J | 1K | 1L |
| 1A | .456 | .475 | .400 | .301\* | .212 | .360 | -.004 | .420 | .234\* | .286 |
| 1B |  | .381 | .427 | .166\* | .217 | .383 | -.094 | .263 | .222\* | .371 |
| 1C |  |  | .393 | .288\* | .223 | .334 | .031 | .418 | .234\* | .341 |
| 1D |  |  |  | .135\* | .102 | .283 | .005 | .272 | .029\* | .426 |
| 1E |  |  |  |  | .122\* | .207\* | .055\* | .091\* | .450 | .245\* |
| 1F |  |  |  |  |  | .377 | -.028 | .301 | .122\* | .295 |
| 1G |  |  |  |  |  |  | .006 | .355 | .276 | .324 |
| 1H |  |  |  |  |  |  |  | -.066 | .007 | -.044 |
| 1J |  |  |  |  |  |  |  |  | .048\* | .282 |
| 1K |  |  |  |  |  |  |  |  |  | .194 |

Mean kappa value for librarians (1) = 3.244/10=.342

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E |
| 1A | .456 | .475 | .400 | .301\* |
| 1B |  | .381 | .427 | .166\* |
| 1C |  |  | .393 | .288\* |
| 1D |  |  |  | .135\* |

Mean kappa value for faculty (2) =2.449/15=.163

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1G | 1H | 1J | 1K | 1L |
| 1F | .377 | -.028 | .301 | .122\* | .295 |
| 1G |  | .006 | .355 | .276 | .324 |
| 1H |  |  | -.066 | .007 | -.044 |
| 1J |  |  |  | .048\* | .282 |
| 1K |  |  |  |  | .194 |

Cohen’s Kappa pairwise measure on Criterion 3 (124034):

Mean kappa value = 15.245/55=.277

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E | 1F | 1G | 1H | 1J | 1K | 1L |
| 1A | .501 | .452 | .420 | .457 | .346 | .186 | .162 | .372 | .461 | .542 |
| 1B |  | .392 | .431 | .335 | .352 | .185 | .059 | .315 | .368 | .435 |
| 1C |  |  | .384 | .349 | .400 | .118 | -.002 | .246 | .376 | .353 |
| 1D |  |  |  | .284 | .162 | .330 | .108 | .416 | .488 | .343 |
| 1E |  |  |  |  | .233 | -.024 | -.002 | .185 | .304 | .429 |
| 1F |  |  |  |  |  | .114 | .018 | .303 | .273 | .214 |
| 1G |  |  |  |  |  |  | .072 | .210 | .167 | .254 |
| 1H |  |  |  |  |  |  |  | .174 | .038 | .180 |
| 1J |  |  |  |  |  |  |  |  | .333 | .264 |
| 1K |  |  |  |  |  |  |  |  |  | .380 |

Mean kappa value for librarians = 4.005/10=.400

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E |
| 1A | .501 | .452 | .420 | .457 |
| 1B |  | .392 | .431 | .335 |
| 1C |  |  | .384 | .349 |
| 1D |  |  |  | .284 |

Mean kappa value for faculty=2.994/15=.200

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1G | 1H | 1J | 1K | 1L |
| 1F | .114 | .018 | .303 | .273 | .214 |
| 1G |  | .072 | .210 | .167 | .254 |
| 1H |  |  | .174 | .038 | .180 |
| 1J |  |  |  | .333 | .264 |
| 1K |  |  |  |  | .380 |

Summary of Cohen’s Kappa

|  |  |  |  |
| --- | --- | --- | --- |
| Score | Librarian | Faculty | All judges |
| Criterion 1 (124032) | .404 | .216 | .272 |
| Criterion 2 (124033) | .342 | .163 | .230 |
| Criterion 3 (124034) | .400 | .200 | .277 |
| Total  | N/A | N/A | N/A |

Pairwise correlation regarding Criterion 1 (124032)

Mean correlation for all judges=23.577/55=.429

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E | 1F | 1G | 1H | 1J | 1K | 1L |
| 1A | .722 | .714 | .670 | .439 | .263 | .502 | .247 | .444 | .437 | .365 |
| 1B |  | .596 | .658 | .374 | .360 | .584 | .347 | .467 | .468 | .559 |
| 1C |  |  | .596 | .302 | .217 | .481 | .292 | .446 | .344 | .411 |
| 1D |  |  |  | .387 | .295 | .612 | .439 | .475 | .481 | .522 |
| 1E |  |  |  |  | .107 | .411 | .335 | .249 | .364 | .311 |
| 1F |  |  |  |  |  | .380 | .309 | .453 | .459 | .358 |
| 1G |  |  |  |  |  |  | .452 | .416 | .388 | .536 |
| 1H |  |  |  |  |  |  |  | .368 | .476 | .446 |
| 1J |  |  |  |  |  |  |  |  | .377 | .387 |
| 1K |  |  |  |  |  |  |  |  |  | .479 |

Mean correlation for librarians=5.458/10=.546

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E |
| 1A | .722 | .714 | .670 | .439 |
| 1B |  | .596 | .658 | .374 |
| 1C |  |  | .596 | .302 |
| 1D |  |  |  | .387 |

Mean correlation for faculty=6.284/15=.419

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1G | 1H | 1J | 1K | 1L |
| 1F | .380 | .309 | .453 | .459 | .358 |
| 1G |  | .452 | .416 | .388 | .536 |
| 1H |  |  | .368 | .476 | .446 |
| 1J |  |  |  | .377 | .387 |
| 1K |  |  |  |  | .479 |

Pairwise correlation regarding Criterion 2 (124033)

Mean correlation for all judges=20.549/55=.374

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E | 1F | 1G | 1H | 1J | 1K | 1L |
| 1A | .586 | .625 | .591 | .438 | .334 | .517 | .265 | .543 | .315 | .426 |
| 1B |  | .514 | .519 | .239 | .388 | .496 | .091 | .423 | .308 | .442 |
| 1C |  |  | .542 | .408 | .434 | .493 | .188 | .543 | .380 | .492 |
| 1D |  |  |  | .275 | .334 | .476 | .094 | .455 | .234 | .521 |
| 1E |  |  |  |  | .237 | .296 | .184 | .190 | .484 | .347 |
| 1F |  |  |  |  |  | .533 | .304 | .370 | .229 | .462 |
| 1G |  |  |  |  |  |  | .286 | .505 | .365 | .422 |
| 1H |  |  |  |  |  |  |  | .290 | .065 | .139 |
| 1J |  |  |  |  |  |  |  |  | .174 | .419 |
| 1K |  |  |  |  |  |  |  |  |  | .319 |

Mean correlation for librarian=4.737/10=.474

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E |
| 1A | .586 | .625 | .591 | .438 |
| 1B |  | .514 | .519 | .239 |
| 1C |  |  | .542 | .408 |
| 1D |  |  |  | .275 |

Mean correlation for faculty=4.882/15=.325

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1G | 1H | 1J | 1K | 1L |
| 1F | .533 | .304 | .370 | .229 | .462 |
| 1G |  | .286 | .505 | .365 | .422 |
| 1H |  |  | .290 | .065 | .139 |
| 1J |  |  |  | .174 | .419 |
| 1K |  |  |  |  | .319 |

Pairwise correlation regarding Criterion 3 (124034)

Mean correlation for all judges=25.081/55=.456

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E | 1F | 1G | 1H | 1J | 1K | 1L |
| 1A | .644 | .611 | .553 | .592 | .459 | .320 | .550 | .524 | .627 | .594 |
| 1B |  | .619 | .586 | .493 | .529 | .358 | .430 | .508 | .549 | .593 |
| 1C |  |  | .555 | .493 | .584 | .193 | .435 | .490 | .484 | .403 |
| 1D |  |  |  | .355 | .391 | .446 | .518 | .550 | .598 | .500 |
| 1E |  |  |  |  | .417 | .092 | .308 | .334 | .432 | .464 |
| 1F |  |  |  |  |  | .280 | .135 | .441 | .419 | .406 |
| 1G |  |  |  |  |  |  | .302 | .351 | .280 | .387 |
| 1H |  |  |  |  |  |  |  | .426 | .541 | .443 |
| 1J |  |  |  |  |  |  |  |  | .481 | .453 |
| 1K |  |  |  |  |  |  |  |  |  | .555 |

Mean correlation for librarians=5.501/10=.550

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E |
| 1A | .644 | .611 | .553 | .592 |
| 1B |  | .619 | .586 | .493 |
| 1C |  |  | .555 | .493 |
| 1D |  |  |  | .355 |

Mean correlation for faculty=5.900/15=.393

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1G | 1H | 1J | 1K | 1L |
| 1F | .280 | .135 | .441 | .419 | .406 |
| 1G |  | .302 | .351 | .280 | .387 |
| 1H |  |  | .426 | .541 | .443 |
| 1J |  |  |  | .481 | .453 |
| 1K |  |  |  |  | .555 |

Pairwise correlation among coders regarding the total score

Mean correlation=30.914/55=.562

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E | 1F | 1G | 1H | 1J | 1K | 1L |
| 1A | .771 | .730 | .774 | .570 | .475 | .625 | .485 | .691 | .659 | .651 |
| 1B |  | .686 | .736 | .496 | .543 | .650 | .407 | .613 | .625 | .644 |
| 1C |  |  | .756 | .537 | .572 | .539 | .405 | .686 | .549 | .583 |
| 1D |  |  |  | .527 | .492 | .638 | .510 | .680 | .635 | .678 |
| 1E |  |  |  |  | .324 | .357 | .400 | .402 | .518 | .507 |
| 1F |  |  |  |  |  | .537 | .278 | .519 | .481 | .546 |
| 1G |  |  |  |  |  |  | .524 | .535 | .569 | .561 |
| 1H |  |  |  |  |  |  |  | .481 | .557 | .492 |
| 1J |  |  |  |  |  |  |  |  | .532 | .565 |
| 1K |  |  |  |  |  |  |  |  |  | .611 |

Mean correlation for librarians = 6.583/10=.658

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1B | 1C | 1D | 1E |
| 1A | .771 | .730 | .774 | .570 |
| 1B |  | .686 | .736 | .496 |
| 1C |  |  | .756 | .537 |
| 1D |  |  |  | .527 |

Mean correlation for faculty = 7.788/15=.519

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1G | 1H | 1J | 1K | 1L |
| 1F | .537 | .278 | .519 | .481 | .546 |
| 1G |  | .524 | .535 | .569 | .561 |
| 1H |  |  | .481 | .557 | .492 |
| 1J |  |  |  | .532 | .565 |
| 1K |  |  |  |  | .611 |

Summary of Pearson’s correlation

|  |  |  |  |
| --- | --- | --- | --- |
| Score | Librarian | Faculty | All judges |
| Criterion 1 (124032) | .546 | .419 | .429 |
| Criterion 2 (124033) | .474 | .325 | .374 |
| Criterion 3 (124034) | .550 | .393 | .456 |
| Total  | .658 | .519 | .562 |