

*RAILS  
Institution #8 Data Analysis*   
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Table: librarian: 1; faculty: 2

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| institute | A | B | C | D | E | F | G | H | J | K | L |
| 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

1. **Kripendorff’s Alpha measure:**

|  |  |
| --- | --- |
| criterion | All judges |
| 74724 | .5166 |
| 74725 | .5142 |
| 74726 | .5432 |
| 74727 | .3863 |
| 74728 | .6431 |
| Total score | .6447 |

1. **Cohen’s Kappa**

**pairwise Kappa agreement on criterion code 74724:**

Mean Kappa for all judges=\_0.3526\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8B | 8C | 8D | 8E | 8F | 8G | 8H | 8J | 8K | 8L |
| 8A | .481 | .413 | .413 | .405 | .399 | .231 | .326 | .546 | .429 | .397 |
| 8B |  | .468 | .338 | .279 | .375 | .297 | .314 | .626 | .393 | .411 |
| 8C |  |  | .287 | .308 | .307 | .339 | .359 | .540 | .408 | .382 |
| 8D |  |  |  | .212 | .114 | .201 | .107 | .385 | .174 | .292 |
| 8E |  |  |  |  | .360 | .270 | .411 | .371 | .295 | .346 |
| 8F |  |  |  |  |  | .320 | .404 | .405 | .419 | .415 |
| 8G |  |  |  |  |  |  | .355 | .234 | .394 | .303 |
| 8H |  |  |  |  |  |  |  | .339 | .298 | .335 |
| 8J |  |  |  |  |  |  |  |  | .463 | .345 |
| 8K |  |  |  |  |  |  |  |  |  | .355 |

**pairwise Kappa agreement on criterion code 74725:**

Mean Kappa for all judges=0.3839\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8B | 8C | 8D | 8E | 8F | 8G | 8H | 8J | 8K | 8L |
| 8A | .335 | .474 | .370 | .262 | .424 | .386 | .349 | .330 | .462 | .420 |
| 8B |  | .523 | .327 | .156 | .402 | .430 | .419 | .403 | .448 | .291 |
| 8C |  |  | .403 | .132 | .448 | .390 | .512 | .380 | .519 | .470 |
| 8D |  |  |  | .217 | .395 | .318 | .409 | .398 | .405 | .382 |
| 8E |  |  |  |  | .353 | .314 | .145 | .419 | .307 | .263 |
| 8F |  |  |  |  |  | .347 | .320 | .542 | .601 | .443 |
| 8G |  |  |  |  |  |  | .373 | .380 | .329 | .375 |
| 8H |  |  |  |  |  |  |  | .293 | .429 | .402 |
| 8J |  |  |  |  |  |  |  |  | .547 | .466 |
| 8K |  |  |  |  |  |  |  |  |  | .480 |

**pairwise Kappa agreement on criterion code 74726:**

Mean Kappa for all judges=\_0.5011\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8B | 8C | 8D | 8E | 8F | 8G | 8H | 8J | 8K | 8L |
| 8A | .396 | .468 | .240 | .438 | .475 | .417 | .515 | .503 | .563 | .534 |
| 8B |  | .631 | .413 | .383 | .590 | .352 | .504 | .714 | .566 | .489 |
| 8C |  |  | .525 | .367 | .638 | .438 | .633 | .820 | .736 | .510 |
| 8D |  |  |  | .295 | .409 | .357 | .415 | .452 | .443 | .423 |
| 8E |  |  |  |  | .450 | .458 | .478 | .444 | .403 | .481 |
| 8F |  |  |  |  |  | .401 | .524 | .708 | .615 | .626 |
| 8G |  |  |  |  |  |  | .370 | .422 | .426 | .356 |
| 8H |  |  |  |  |  |  |  | .569 | .540 | .625 |
| 8J |  |  |  |  |  |  |  |  | .833 | .552 |
| 8K |  |  |  |  |  |  |  |  |  | .627 |

**pairwise Kappa agreement on criterion code 74727:**

Mean Kappa for all judges=0.2728

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8B | 8C | 8D | 8E | 8F | 8G | 8H | 8J | 8K | 8L |
| 8A | .195 | .251 | .104 | .378 | .229 | .317 | .343 | .278 | .053 | .201 |
| 8B |  | .309 | .205 | .339 | .206 | .333 | .174 | .474 | .392 | .290 |
| 8C |  |  | .177 | .423 | .228 | .460 | .075 | .480 | .119 | .505 |
| 8D |  |  |  | .295 | .325 | .074 | .119 | .145 | .037 | .197 |
| 8E |  |  |  |  | .403 | .428 | .251 | .422 | .266 | .509 |
| 8F |  |  |  |  |  | .191 | .166 | .267 | .086 | .433 |
| 8G |  |  |  |  |  |  | .394 | .410 | .178 | .387 |
| 8H |  |  |  |  |  |  |  | .202 | .041 | .253 |
| 8J |  |  |  |  |  |  |  |  | .329 | .454 |
| 8K |  |  |  |  |  |  |  |  |  | .206 |

**pairwise Kappa agreement on criterion code 74728:**

Mean Kappa for all judges=\_0.4912

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8B | 8C | 8D | 8E | 8F | 8G | 8H | 8J | 8K | 8L |
| 8A | .453 | .422 | .453 | .273 | .392 | .361 | .495 | .552 | .609 | .446 |
| 8B |  | .462 | .598 | .388 | .602 | .480 | .644 | .581 | .701 | .573 |
| 8C |  |  | .495 | .243 | .343 | .409 | .388 | .551 | .433 | .468 |
| 8D |  |  |  | .499 | .608 | .461 | .544 | .579 | .610 | .470 |
| 8E |  |  |  |  | .445 | .422 | .445 | .314 | .473 | .433 |
| 8F |  |  |  |  |  | .398 | .562 | .455 | .582 | .427 |
| 8G |  |  |  |  |  |  | .460 | .387 | .509 | .485 |
| 8H |  |  |  |  |  |  |  | .548 | .643 | .522 |
| 8J |  |  |  |  |  |  |  |  | .649 | .602 |
| 8K |  |  |  |  |  |  |  |  |  | .668 |

**Summary of average Cohen’s Kappa for each criterion**

|  |  |
| --- | --- |
| Criterion | All judges |
| 74724 | 0.3526 |
| 74725 | 0.3839 |
| 74726 | 0.5011 |
| 74727 | 0.2728 |
| 74728 | 0.4912 |
| Total score | n/a |

1. **Pearson’s correlation**

**Pairwise correlation regarding criterion code “74724”**

Mean Correlation all judges=\_\_0.527\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8B | 8C | 8D | 8E | 8F | 8G | 8H | 8J | 8K | 8L |
| 8A | .698\*\* | .515\*\* | .561\*\* | .629\*\* | .582\*\* | .426\*\* | .493\*\* | .606\*\* | .669\*\* | .590\*\* |
| 8B |  | .640\*\* | .552\*\* | .546\*\* | .529\*\* | .523\*\* | .575\*\* | .621\*\* | .672\*\* | .604\*\* |
| 8C |  |  | .441\*\* | .500\*\* | .486\*\* | .522\*\* | .649\*\* | .557\*\* | .666\*\* | .542\*\* |
| 8D |  |  |  | .369\*\* | .352\*\* | .286\*\* | .297\*\* | .439\*\* | .443\*\* | .458\*\* |
| 8E |  |  |  |  | .540\*\* | .390\*\* | .608\*\* | .533\*\* | .454\*\* | .530\*\* |
| 8F |  |  |  |  |  | .473\*\* | .544\*\* | .413\*\* | .543\*\* | .597\*\* |
| 8G |  |  |  |  |  |  | .484\*\* | .427\*\* | .615\*\* | .493\*\* |
| 8H |  |  |  |  |  |  |  | .556\*\* | .528\*\* | .551\*\* |
| 8J |  |  |  |  |  |  |  |  | .672\*\* | .409\*\* |
| 8K |  |  |  |  |  |  |  |  |  | .590\*\* |

\*\*. Correlation is significant at the 0.01level

**Pairwise correlation regarding criterion code “74725”**

Mean Correlation all judges=\_0.635\_

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8B | 8C | 8D | 8E | 8F | 8G | 8H | 8J | 8K | 8L |
| 8A | .620\*\* | .705\*\* | .593\*\* | .600\*\* | .615\*\* | .638\*\* | .639\*\* | .628\*\* | .666\*\* | .553\*\* |
| 8B |  | .719\*\* | .588\*\* | .579\*\* | .668\*\* | .573\*\* | .636\*\* | .644\*\* | .645\*\* | .581\*\* |
| 8C |  |  | .636\*\* | .559\*\* | .708\*\* | .601\*\* | .661\*\* | .671\*\* | .732\*\* | .712\*\* |
| 8D |  |  |  | .636\*\* | .634\*\* | .600\*\* | .609\*\* | .669\*\* | .655\*\* | .537\*\* |
| 8E |  |  |  |  | .595\*\* | .613\*\* | .552\*\* | .686\*\* | .610\*\* | .557\*\* |
| 8F |  |  |  |  |  | .625\*\* | .599\*\* | .708\*\* | .733\*\* | .699\*\* |
| 8G |  |  |  |  |  |  | .633\*\* | .673\*\* | .646\*\* | .609\*\* |
| 8H |  |  |  |  |  |  |  | .617\*\* | .674\*\* | .546\*\* |
| 8J |  |  |  |  |  |  |  |  | .771\*\* | .634\*\* |
| 8K |  |  |  |  |  |  |  |  |  | .651\*\* |

\*\*. Correlation is significant at the 0.01level

**Pairwise correlation regarding criterion code “74726”**

Mean Correlation all judges=\_\_0.570\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8B | 8C | 8D | 8E | 8F | 8G | 8H | 8J | 8K | 8L |
| 8A | .457\*\* | .495\*\* | .327\*\* | .572\*\* | .513\*\* | .578\*\* | .486\*\* | .519\*\* | .563\*\* | .506\*\* |
| 8B |  | .661\*\* | .539\*\* | .555\*\* | .697\*\* | .520\*\* | .545\*\* | .748\*\* | .579\*\* | .488\*\* |
| 8C |  |  | .647\*\* | .502\*\* | .691\*\* | .580\*\* | .645\*\* | .808\*\* | .721\*\* | .494\*\* |
| 8D |  |  |  | .459\*\* | .555\*\* | .520\*\* | .517\*\* | .549\*\* | .533\*\* | .528\*\* |
| 8E |  |  |  |  | .592\*\* | .609\*\* | .586\*\* | .598\*\* | .514\*\* | .589\*\* |
| 8F |  |  |  |  |  | .532\*\* | .540\*\* | .760\*\* | .634\*\* | .675\*\* |
| 8G |  |  |  |  |  |  | .453\*\* | .578\*\* | .567\*\* | .434\*\* |
| 8H |  |  |  |  |  |  |  | .543\*\* | .494\*\* | .599\*\* |
| 8J |  |  |  |  |  |  |  |  | .814\*\* | .528\*\* |
| 8K |  |  |  |  |  |  |  |  |  | .599\*\* |

\*\*. Correlation is significant at the 0.01level

**Pairwise correlation regarding criterion code “74727”**

Mean Correlation all judges=\_0.484\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8B | 8C | 8D | 8E | 8F | 8G | 8H | 8J | 8K | 8L |
| 8A | .560\*\* | .550\*\* | .667\*\* | .620\*\* | .633\*\* | .511\*\* | .563\*\* | .543\*\* | .153 | .597\*\* |
| 8B |  | .582\*\* | .377\*\* | .557\*\* | .455\*\* | .633\*\* | .439\*\* | .660\*\* | .264\*\* | .494\*\* |
| 8C |  |  | .393\*\* | .580\*\* | .309\*\* | .714\*\* | .308\*\* | .756\*\* | .249\* | .699\*\* |
| 8D |  |  |  | .550\*\* | .653\*\* | .426\*\* | .579\*\* | .483\*\* | .120 | .541\*\* |
| 8E |  |  |  |  | .616\*\* | .626\*\* | .463\*\* | .660\*\* | .304\*\* | .651\*\* |
| 8F |  |  |  |  |  | .358\*\* | .399\*\* | .463\*\* | .164 | .549\*\* |
| 8G |  |  |  |  |  |  | .474\*\* | .704\*\* | .224\* | .641\*\* |
| 8H |  |  |  |  |  |  |  | .428\*\* | .091 | .428\*\* |
| 8J |  |  |  |  |  |  |  |  | .286\*\* | .676\*\* |
| 8K |  |  |  |  |  |  |  |  |  | .200\* |

\*\*. Correlation is significant at the 0.01level

**Pairwise correlation regarding criterion code “74728”**

Mean Correlation all judges=\_0.670\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8B | 8C | 8D | 8E | 8F | 8G | 8H | 8J | 8K | 8L |
| 8A | .694\*\* | .629\*\* | .687\*\* | .647\*\* | .680\*\* | .543\*\* | .627\*\* | .710\*\* | .777\*\* | .599\*\* |
| 8B |  | .611\*\* | .767\*\* | .669\*\* | .746\*\* | .674\*\* | .718\*\* | .744\*\* | .812\*\* | .736\*\* |
| 8C |  |  | .602\*\* | .590\*\* | .547\*\* | .621\*\* | .589\*\* | .575\*\* | .541\*\* | .619\*\* |
| 8D |  |  |  | .700\*\* | .738\*\* | .678\*\* | .659\*\* | .779\*\* | .743\*\* | .639\*\* |
| 8E |  |  |  |  | .747\*\* | .609\*\* | .619\*\* | .639\*\* | .702\*\* | .619\*\* |
| 8F |  |  |  |  |  | .640\*\* | .688\*\* | .665\*\* | .764\*\* | .622\*\* |
| 8G |  |  |  |  |  |  | .616\*\* | .627\*\* | .591\*\* | .660\*\* |
| 8H |  |  |  |  |  |  |  | .702\*\* | .717\*\* | .653\*\* |
| 8J |  |  |  |  |  |  |  |  | .797\*\* | .729\*\* |
| 8K |  |  |  |  |  |  |  |  |  | .734\*\* |

\*\*. Correlation is significant at the 0.01level

**Pairwise correlation regarding total scores**

Mean Correlation all judges=0.704

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8B | 8C | 8D | 8E | 8F | 8G | 8H | 8J | 8K | 8L |
| 8A | .706\*\* | .720\*\* | .724\*\* | .671\*\* | .763\*\* | .657\*\* | .694\*\* | .730\*\* | .739\*\* | .620\*\* |
| 8B |  | .797\*\* | .711\*\* | .670\*\* | .764\*\* | .735\*\* | .697\*\* | .744\*\* | .735\*\* | .705\*\* |
| 8C |  |  | .737\*\* | .680\*\* | .735\*\* | .666\*\* | .688\*\* | .746\*\* | .666\*\* | .742\*\* |
| 8D |  |  |  | .678\*\* | .721\*\* | .675\*\* | .645\*\* | .733\*\* | .698\*\* | .683\*\* |
| 8E |  |  |  |  | .711\*\* | .702\*\* | .763\*\* | .726\*\* | .632\*\* | .657\*\* |
| 8F |  |  |  |  |  | .720\*\* | .667\*\* | .749\*\* | .759\*\* | .771\*\* |
| 8G |  |  |  |  |  |  | .637\*\* | .733\*\* | .657\*\* | .691\*\* |
| 8H |  |  |  |  |  |  |  | .681\*\* | .643\*\* | .608\*\* |
| 8J |  |  |  |  |  |  |  |  | .774\*\* | .728\*\* |
| 8K |  |  |  |  |  |  |  |  |  | .661\*\* |

\*\*. Correlation is significant at the 0.01level

**Summary of Mean Pearson’s Correlation**

|  |  |
| --- | --- |
| criterion | All judges |
| 74724 | 0.527 |
| 74725 | 0.635 |
| 74726 | 0.570 |
| 74727 | 0.484 |
| 74728 | 0.670 |
| Total score | 0.704 |