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Latest commit d81b6a6 on Apr 3, 2020

History

1 contributor

102 lines (94 sloc) 2.28 KB

Raw

Blame



```
1  /* libname PCS "/home/u45167427/HW2" */
2  data WORK.RATINGS;
3      input job knowhow problem_solving accountability salary;
4  cards;
5  0 800 608 1056 102000
6  2 528 304 460 75740
7  3 460 264 460 75740
8  5 528 304 304 79172
9  4 460 264 400 70000
10 0 460 264 400 66536
11 0 528 304 264 70000
12 7 460 230 264 68000
13 10 400 200 350 73140
14 7 400 175 230 66016
15 7 400 200 200 66016
16 5 400 175 200 71840
17 5 304 115 175 71580
18 2 264 100 175 65860
19 3 264 100 175 66432
20 10 230 100 132 64040
21 10 230 100 132 62610
22 7 230 87 132 65002
23 7 230 76 115 64001
24 5 230 76 115 66900
25 5 230 87 100 63000
26 5 230 87 100 63780
27 7 200 87 100 62000
28 7 200 76 100 61960
29 7 200 76 100 62012
30 7 200 76 87 62300
31 5 200 76 87 61960
32 7 200 66 87 61700
```

```

33 7 175 66 100 61440
34 2 175 57 100 62220
35 3 175 57 100 63260
36 7 175 57 100 59880
37 2 175 57 100 62480
38 3 175 57 100 63000
39 2 175 57 100 63260
40 3 175 57 100 62480
41 4 175 57 87 62480
42 7 175 57 87 61440
43 2 175 57 87 62064
44 3 175 57 87 61180
45 2 175 57 87 59100
46 3 175 57 87 59620
47 5 175 66 76 59880
48 5 175 66 76 60200
49 7 175 57 76 60140
50 7 175 57 76 61700
51 5 175 66 66 60000
52 7 152 50 87 60920
53 7 152 50 76 59100
54 3 152 50 76 61700
55 2 152 50 76 59880
56 3 152 50 76 61700
57 5 152 50 66 59360
58 5 152 43 66 60660
59 2 152 43 66 59984
60 2 152 43 66 60660
61 3 152 43 66 60920
62 3 152 43 66 60920
63 2 152 43 66 60920
64 3 152 43 66 60660
65 3 152 43 66 60660
66 7 152 43 66 58320
67 5 152 43 66 59360
68 2 152 43 66 60920
69 3 152 43 66 60920
70 4 152 43 66 60660
71 7 152 43 57 59880
72 RUN;
73
74 proc princomp data=WORK.RATINGS out=RATINGS_PCA;
75     var knowhow problem_solving accountability;
76 RUN;
77
78 PROC EXPORT DATA=RATINGS_PCA OUTFILE="/home/u45167427/HW2/Ratings_PCA.xlsx"
79 DBMS=XLSX REPLACE;
80 RUN;
81
82 PROC STDIZE DATA=RATINGS_PCA OUT=RATINGS_PCA_STD;
83     VAR knowhow problem_solving accountability;
84 RUN;
85
86 PROC REG DATA = RATINGS_PCA_STD;
87     model Prin1 = knowhow problem_solving accountability / noint;

```

```
88  RUN;
89
90  PROC REG DATA = RATINGS_PCA_STD;
91      model knowhow = Prin1 Prin2 Prin3/ noint;
92  RUN;
93
94  PROC CORR DATA = RATINGS_PCA_STD;
95      VAR Prin1 Prin2 Prin3;
96      WITH knowhow problem_solving accountability;
97  RUN;
98
99  PROC GLM DATA = RATINGS_PCA_STD;
100      model salary = Prin1 Prin2 Prin3;
101  RUN;
102
```