

# A Comparative Evaluation of Nature-Inspired Algorithms for DSP

Results of Pairwise Kolmogorov-Smirnov (KS) test for statistical significance  
(Metric: Cluster Resource Utilization)

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Table 1: Evaluation scenarios: application types and varying number of requests generated during the simulation of each scenario.

Scenario	Application	Users	Lambda	AvgRequests
Scenario 1	Generic	50	24'	556
Scenario 1	LTS	30	24'	147
Scenario 1	MMA	10	30'	15
Scenario 1	PWD	10	24'	49
Scenario 2	Generic	100	24'	1118
Scenario 2	LTS	60	24'	288
Scenario 2	MMA	20	30'	34
Scenario 2	PWD	20	24'	97
Scenario 3	Generic	150	24'	1686
Scenario 3	LTS	90	24'	433
Scenario 3	MMA	30	30'	49
Scenario 3	PWD	30	24'	144
Scenario 4	Generic	200	24'	2246
Scenario 4	LTS	120	24'	575
Scenario 4	MMA	40	30'	67
Scenario 4	PWD	40	24'	195
Scenario 5	Generic	250	24'	2833
Scenario 5	LTS	150	24'	728
Scenario 5	MMA	50	30'	84
Scenario 5	PWD	50	24'	234

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Table 2: The network size ranges from 100 to 500 edge servers in increments of 100 for each experiment.

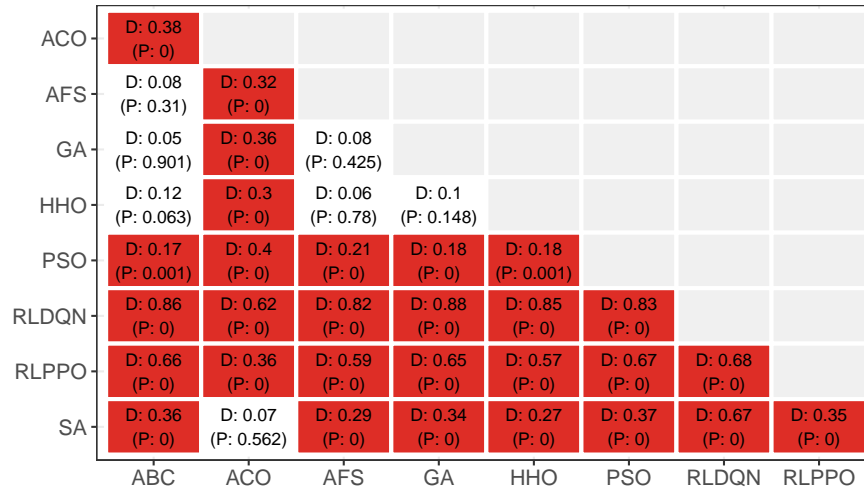
servers	100	200	300	400	500
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Table 3: The applications are composed of a varying number of services, ranging from 1 to 7.

services	1	3	5	7
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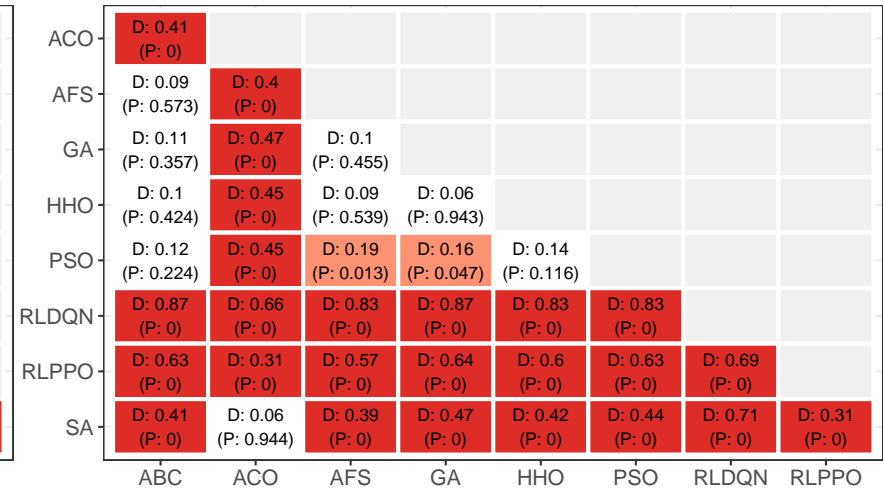
We introduce diverse system model configurations (as listed above) to facilitate evaluation of a broad range of scenarios. System users making the placement requests range from 100 to 500 users, with an increment of 100 in each experiment (see Table 1 above). The network has a cloud server and distributed edge servers deployed in a grid pattern across the city. The cloud server manages the edge servers and facilitates communication between them. The network size ranges from 100 to 500 edge servers in increments of 100 for each experiment. In each experiment, the applications are composed of a varying number of services, ranging from 1 to 7 (increased by 2) in order to evaluate the impact of applications' complexity on the placement approaches.

scenario\_1\_servers\_100\_services\_1\_application\_GENERIC



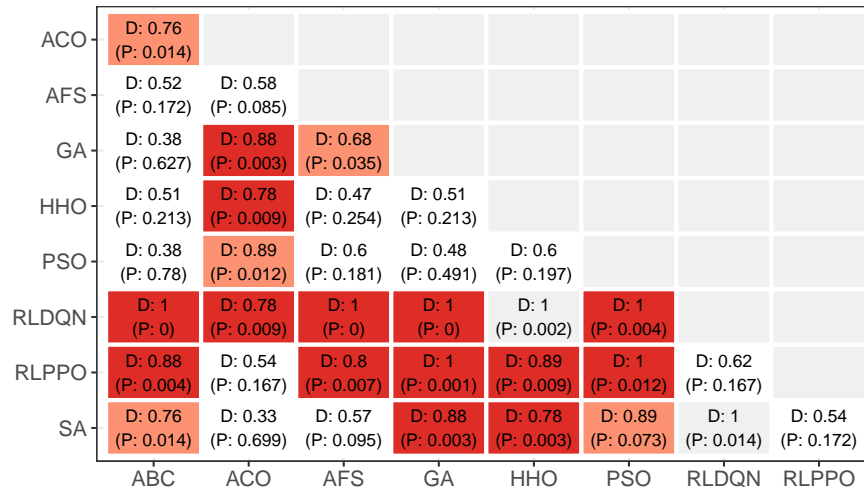
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scenario\_1\_servers\_100\_services\_1\_application\_LTS



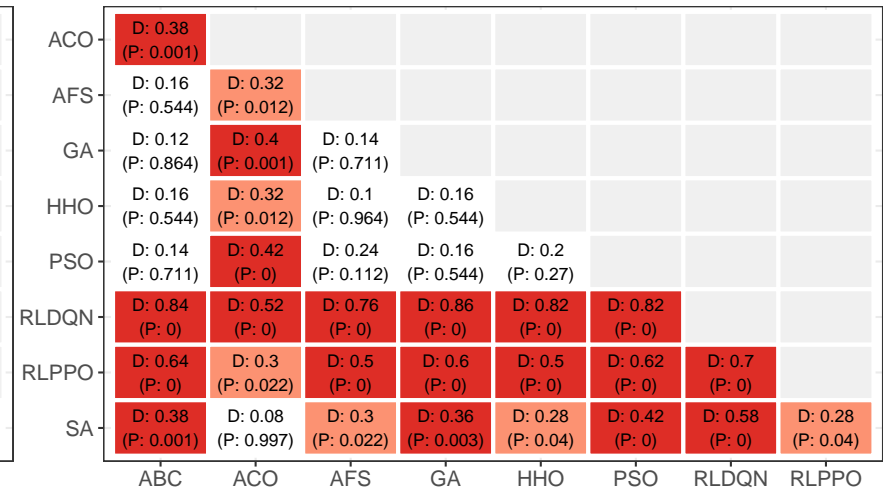
NS P < 0.05 P < 0.01

scenario\_1\_servers\_100\_services\_1\_application\_MMA



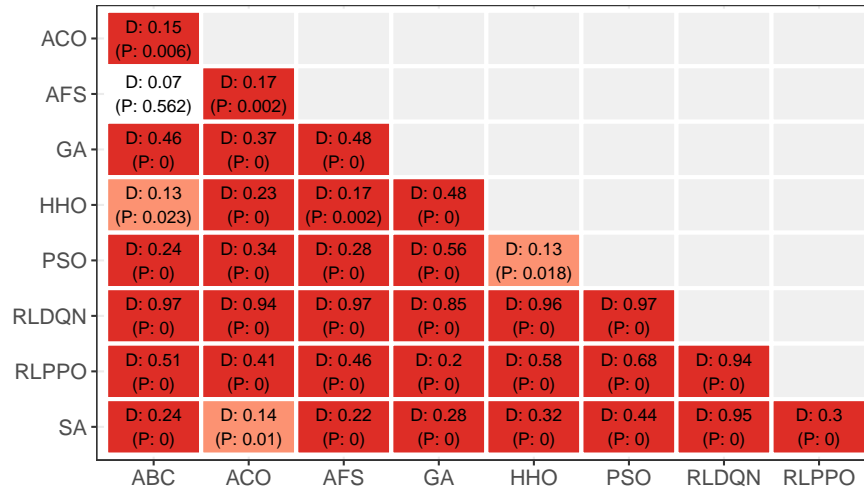
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scenario\_1\_servers\_100\_services\_1\_application\_PWD



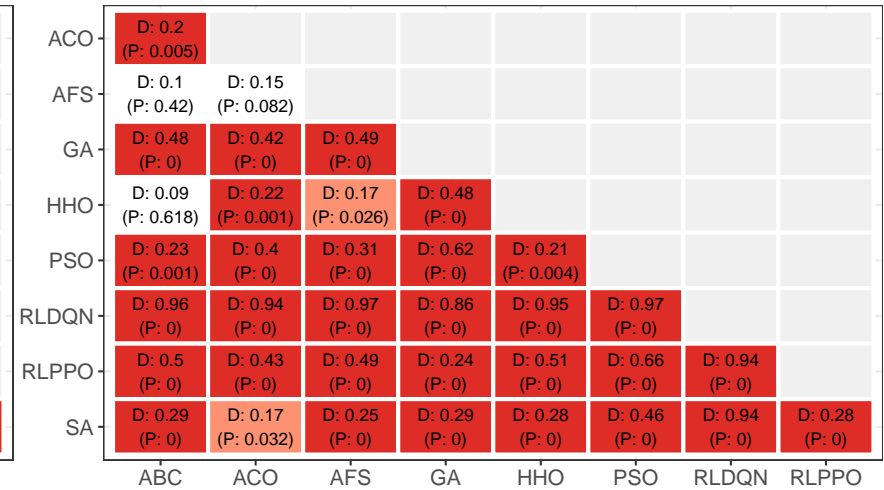
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scenario\_1\_servers\_100\_services\_3\_application\_GENERIC



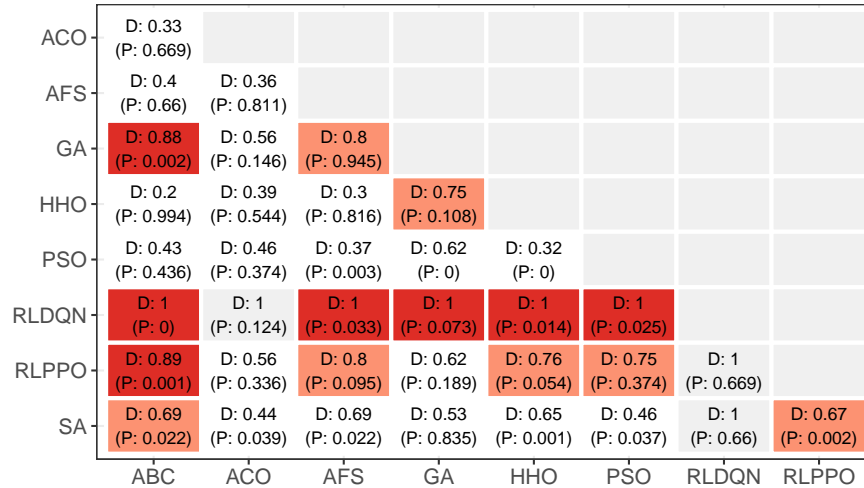
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scenario\_1\_servers\_100\_services\_3\_application\_LTS



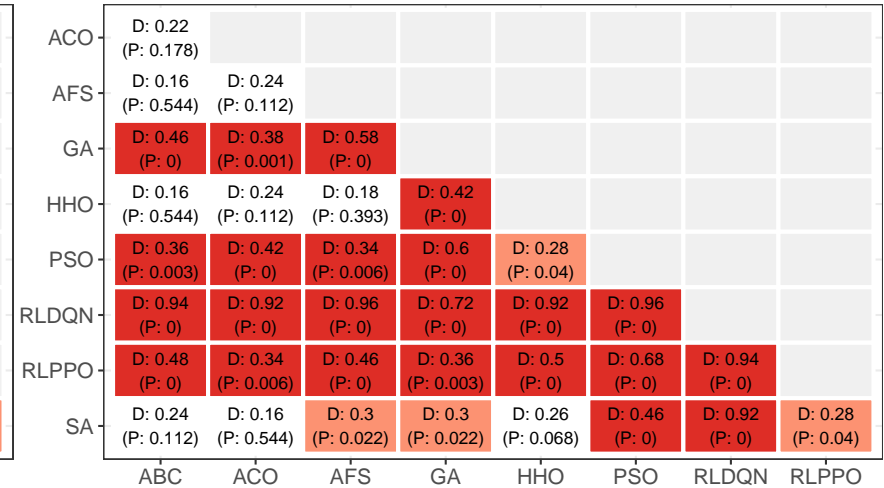
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scenario\_1\_servers\_100\_services\_3\_application\_MMA



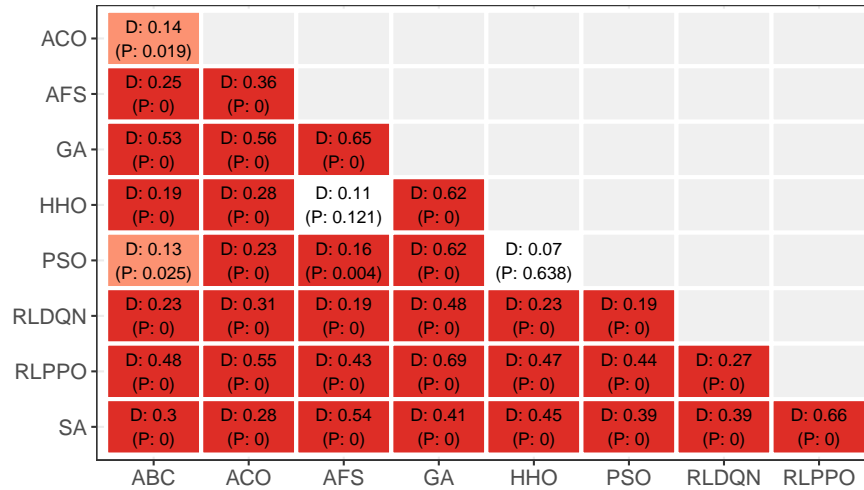
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scenario\_1\_servers\_100\_services\_3\_application\_PWD



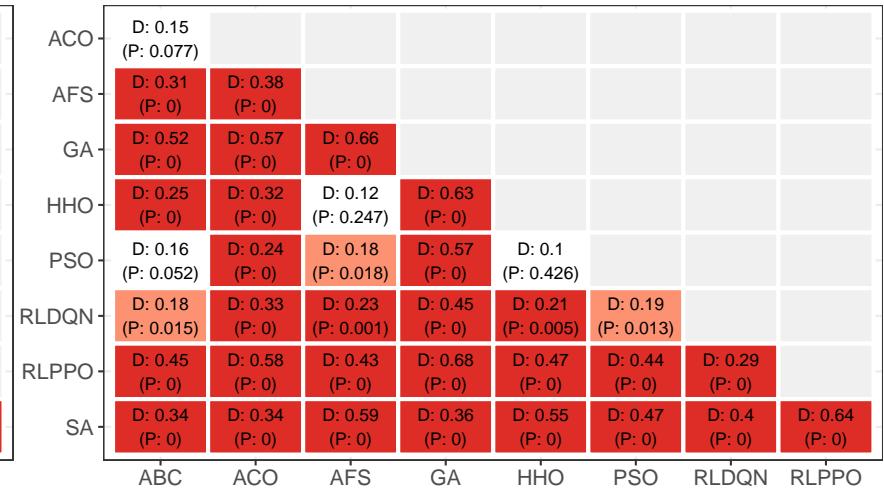
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scenario\_1\_servers\_100\_services\_5\_application\_GENERIC



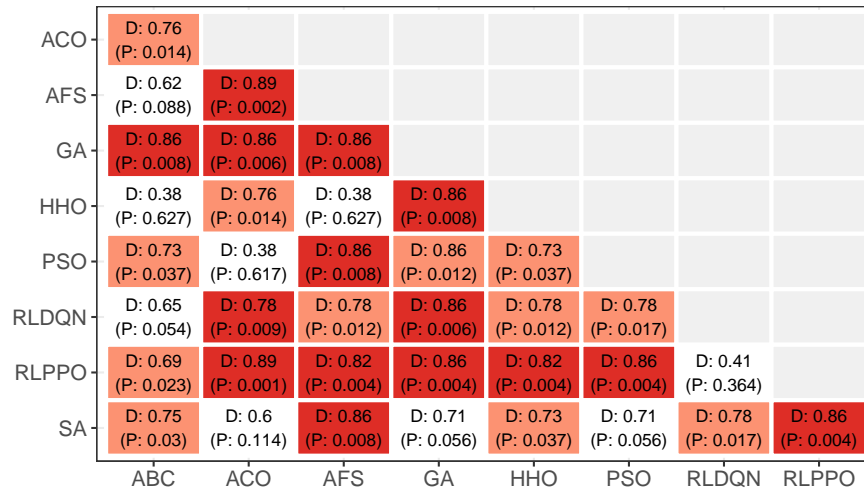
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scenario\_1\_servers\_100\_services\_5\_application\_LTS



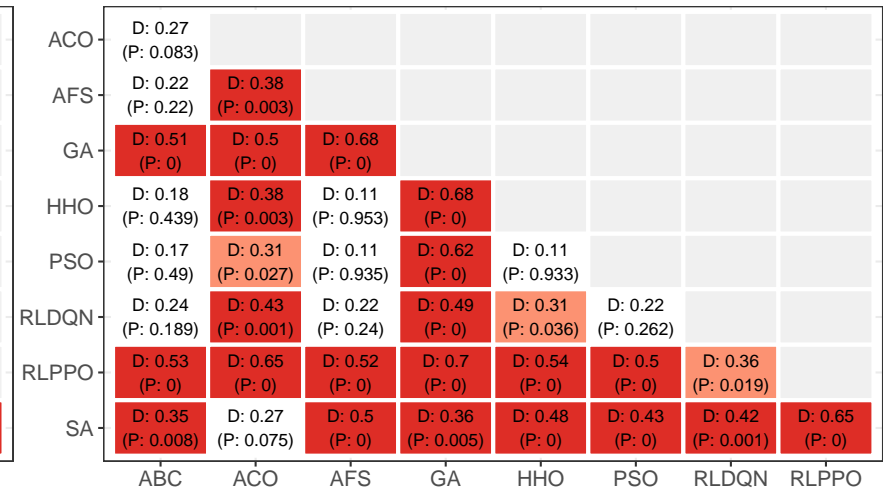
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scenario\_1\_servers\_100\_services\_5\_application\_MMA



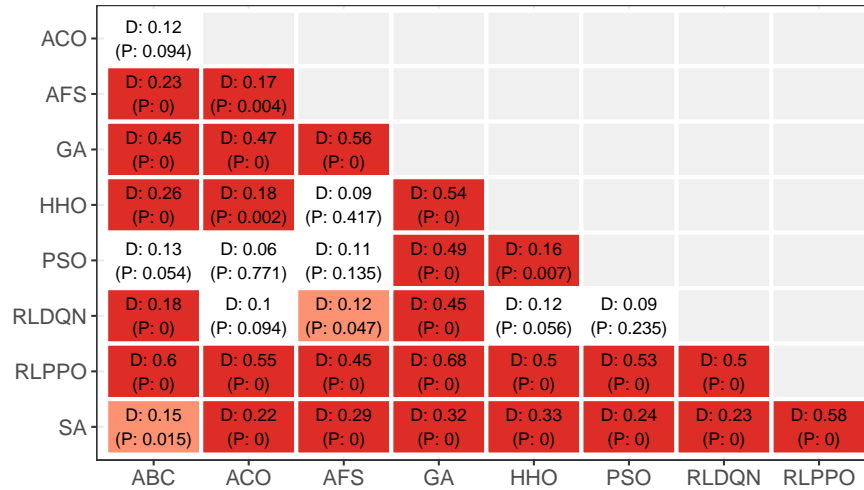
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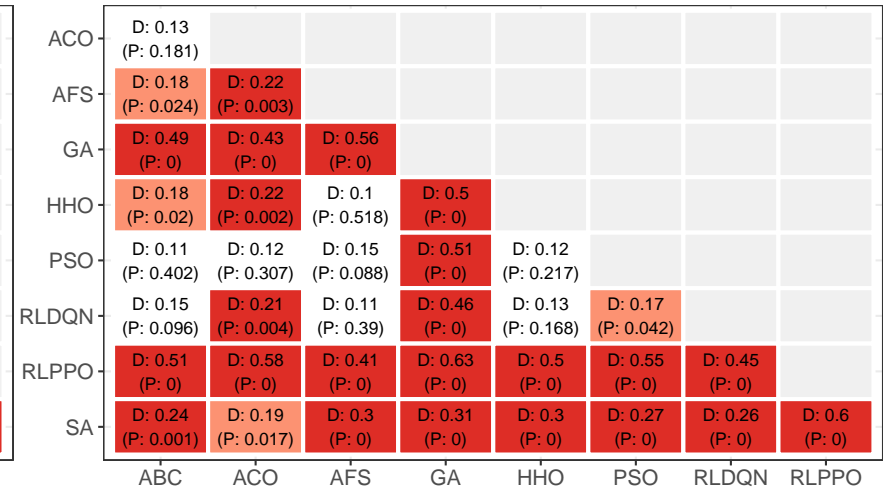
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scenario\_1\_servers\_100\_services\_7\_application\_GENERIC



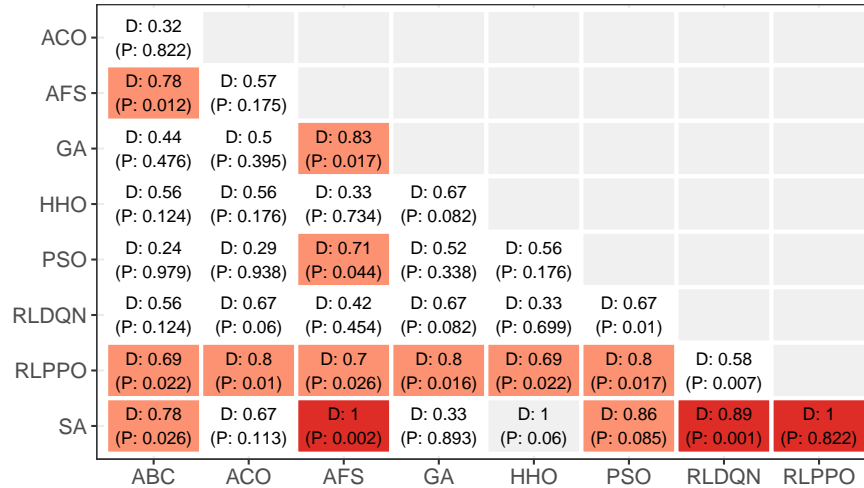
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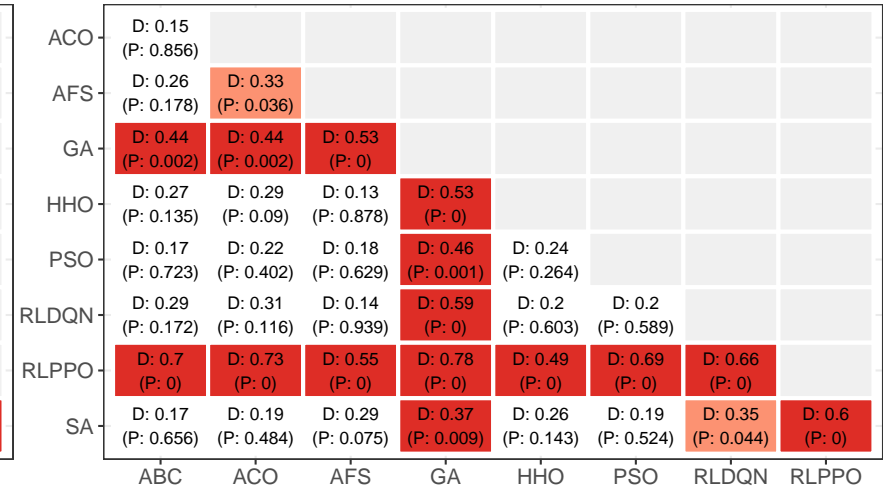
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scenario\_1\_servers\_100\_services\_7\_application\_MMA



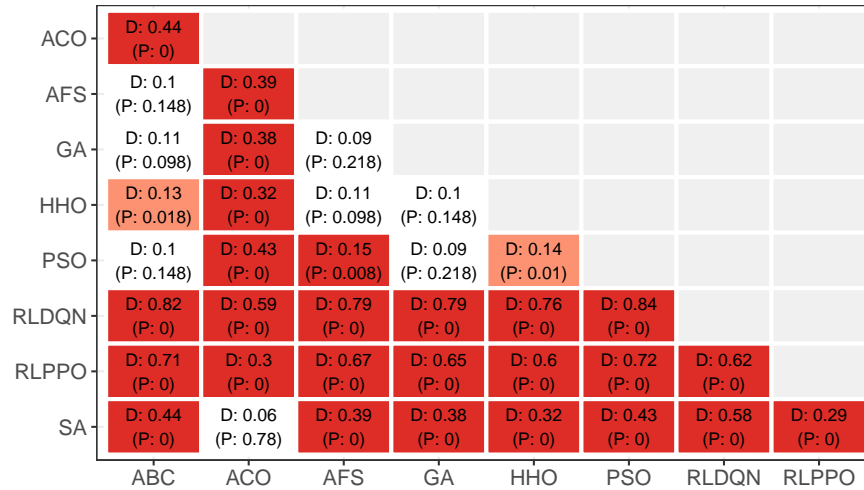
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scenario\_1\_servers\_100\_services\_7\_application\_PWD



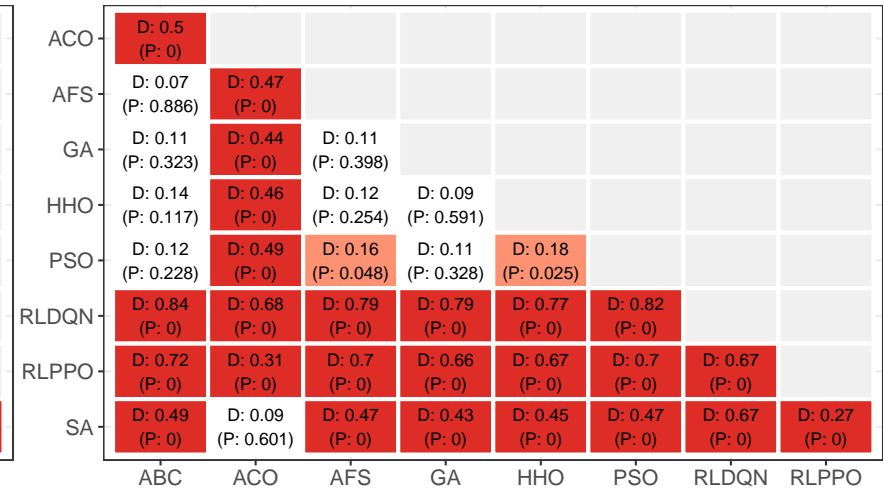
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scenario\_1\_servers\_200\_services\_1\_application\_GENERIC



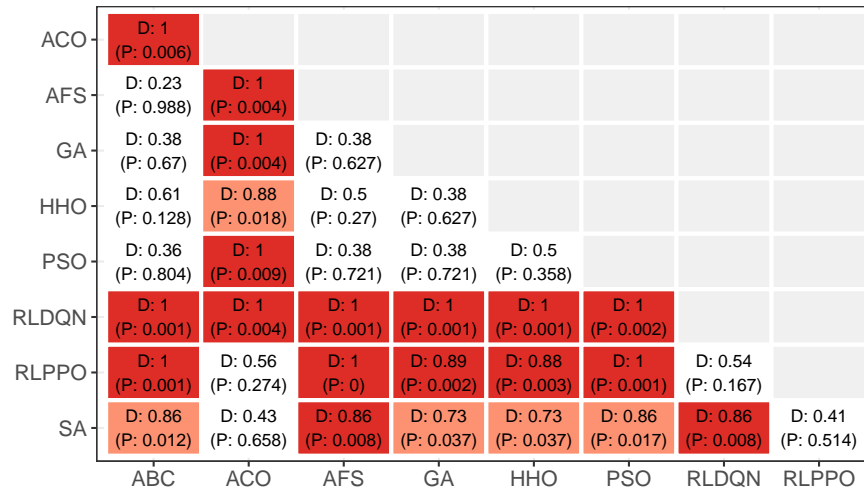
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scenario\_1\_servers\_200\_services\_1\_application\_LTS



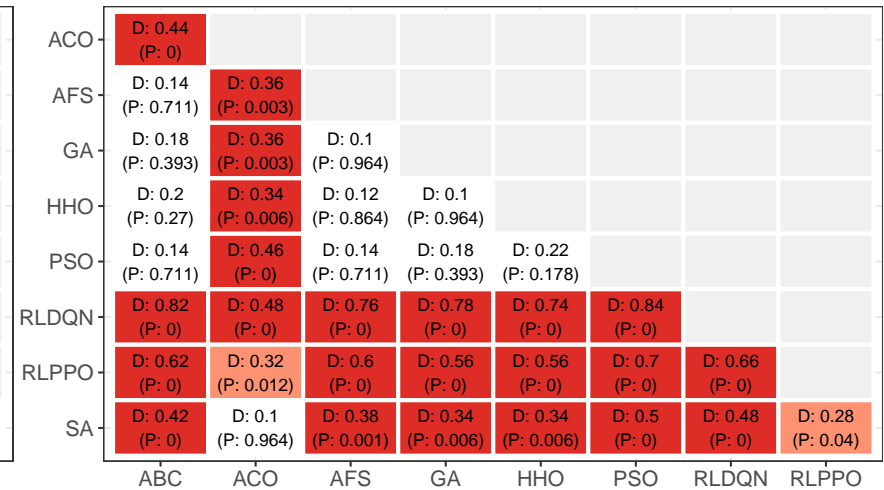
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scenario\_1\_servers\_200\_services\_1\_application\_MMA



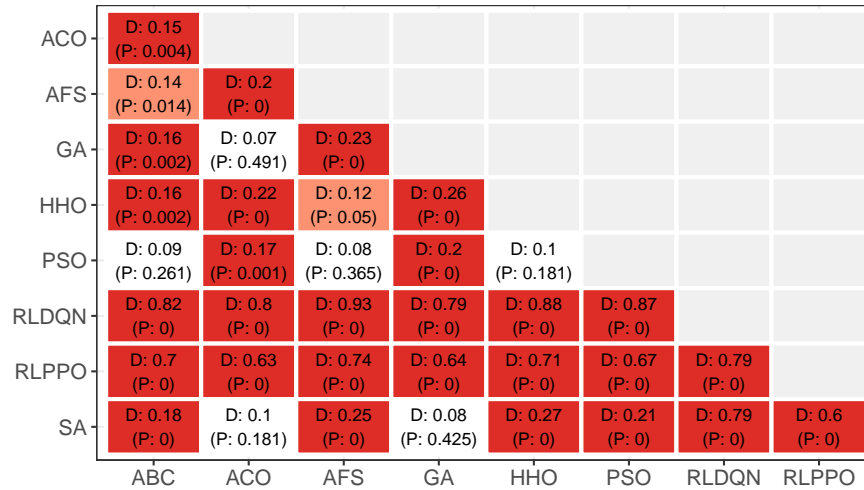
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scenario\_1\_servers\_200\_services\_1\_application\_PWD



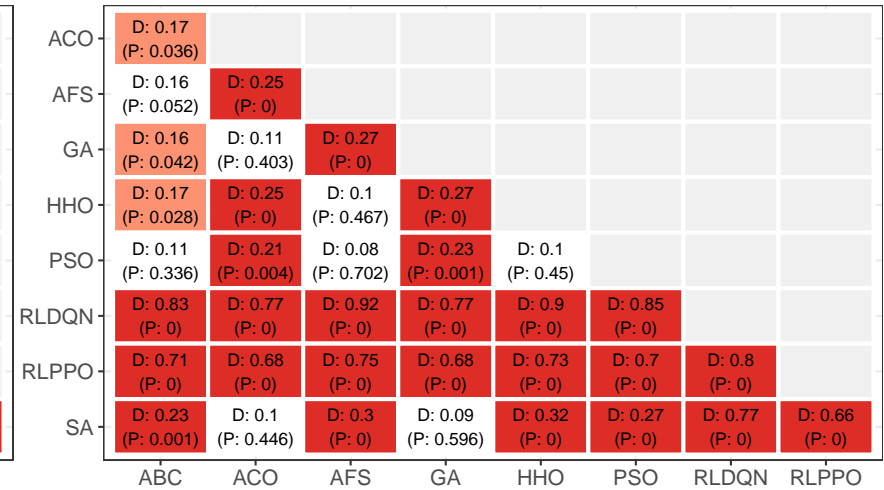
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scenario\_1\_servers\_200\_services\_3\_application\_GENERIC



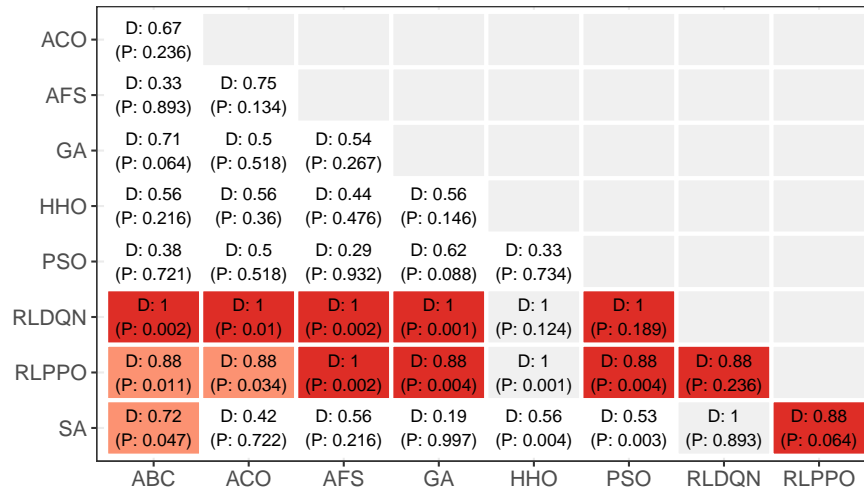
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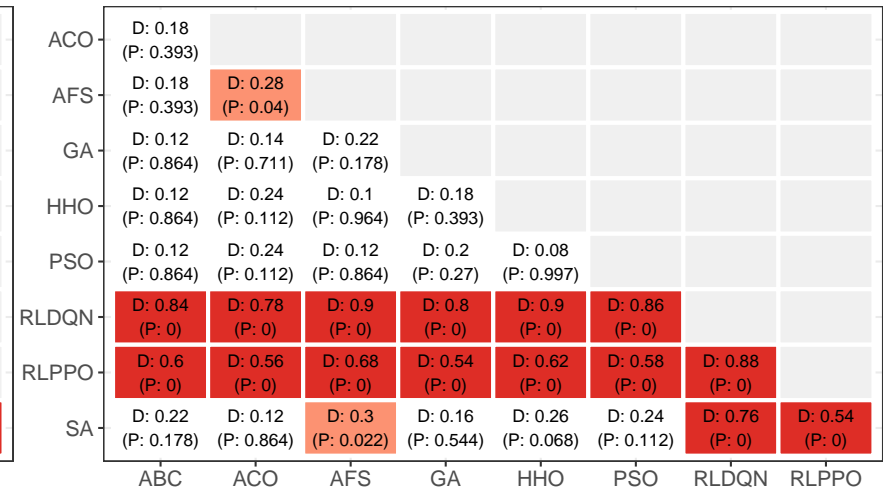
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scenario\_1\_servers\_200\_services\_3\_application\_MMA



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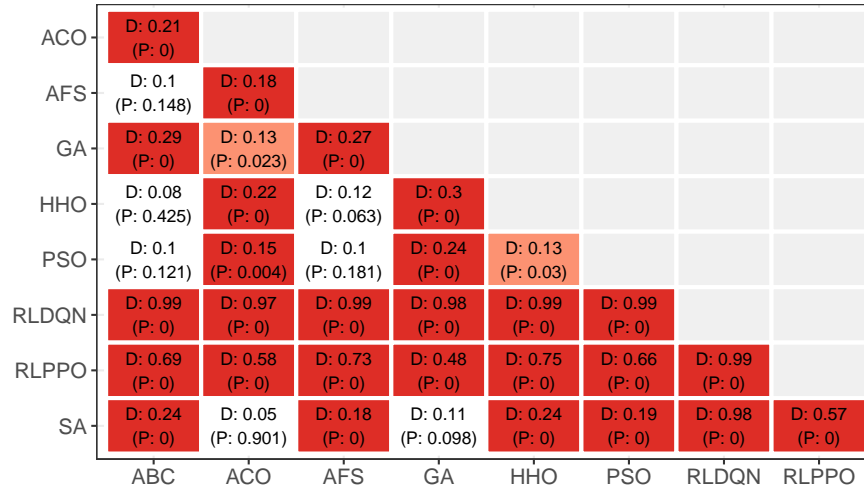
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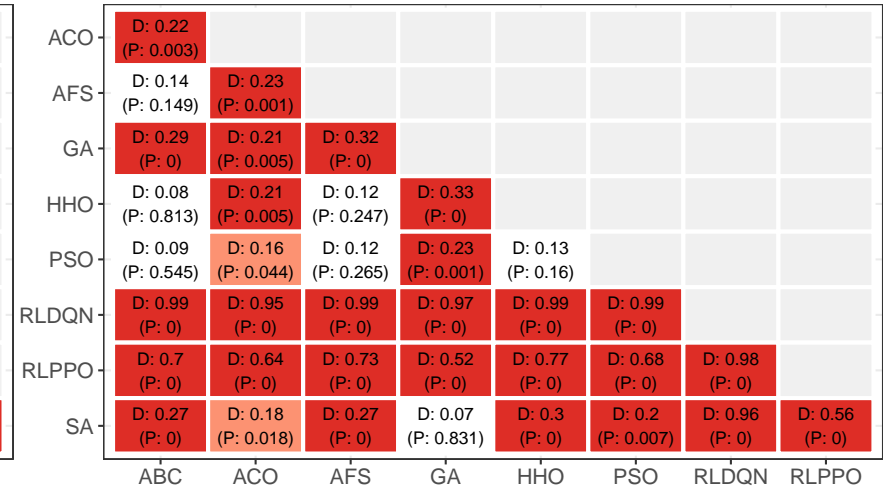


scenario\_1\_servers\_200\_services\_5\_application\_GENERIC



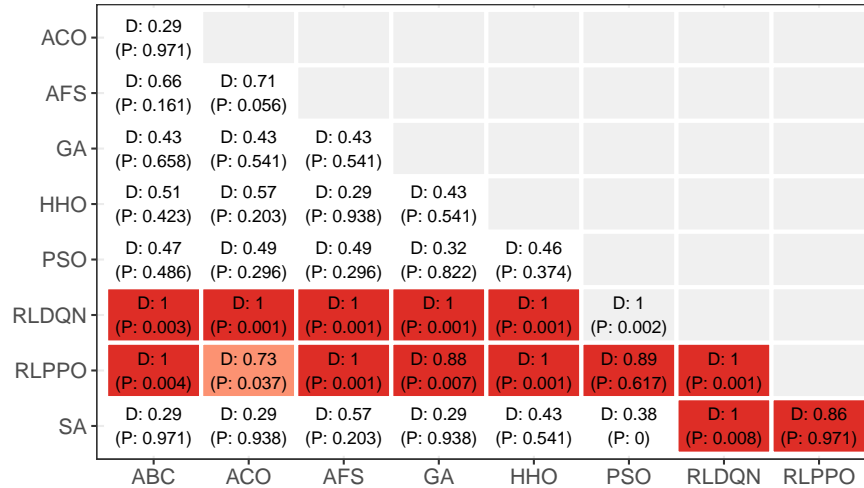
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scenario\_1\_servers\_200\_services\_5\_application\_LTS



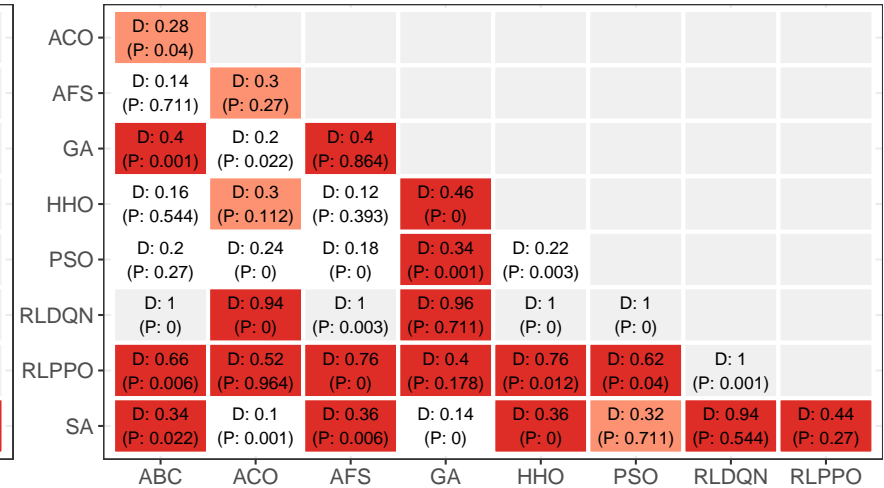
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scenario\_1\_servers\_200\_services\_5\_application\_MMA



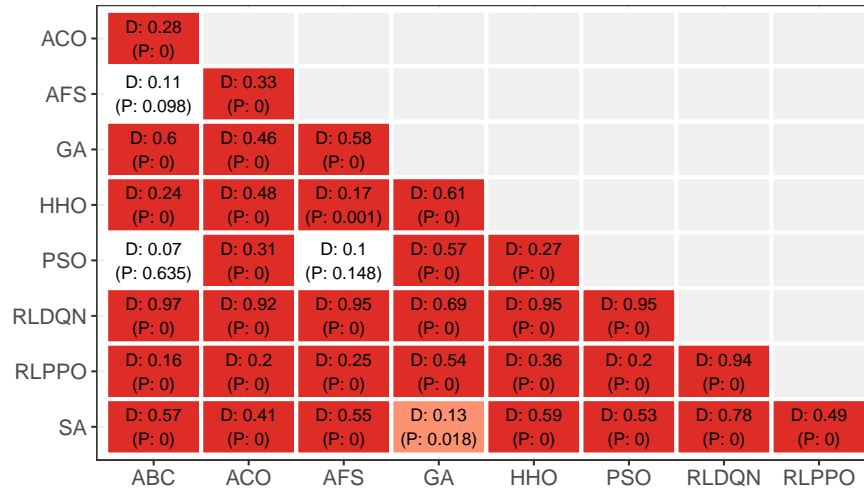
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scenario\_1\_servers\_200\_services\_5\_application\_PWD



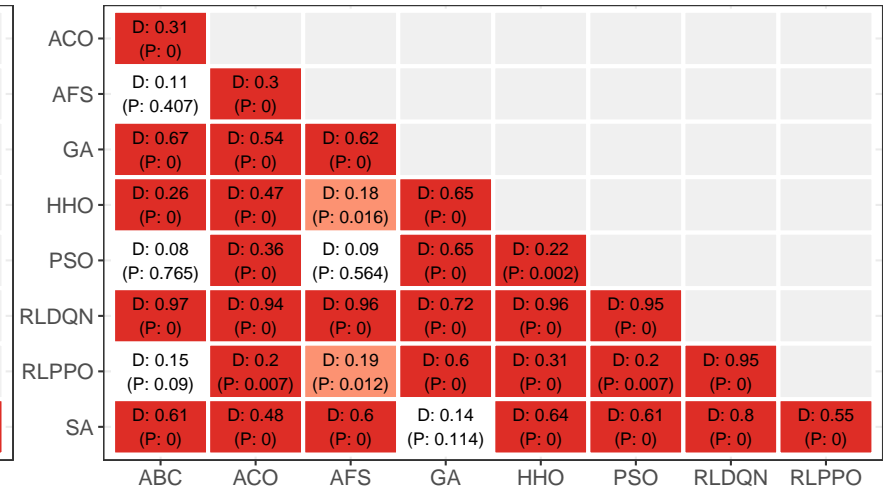
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scenario\_1\_servers\_200\_services\_7\_application\_GENERIC



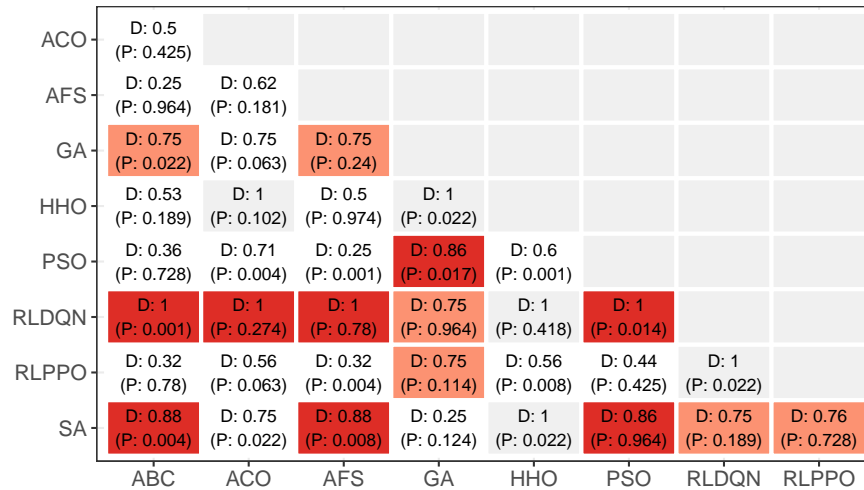
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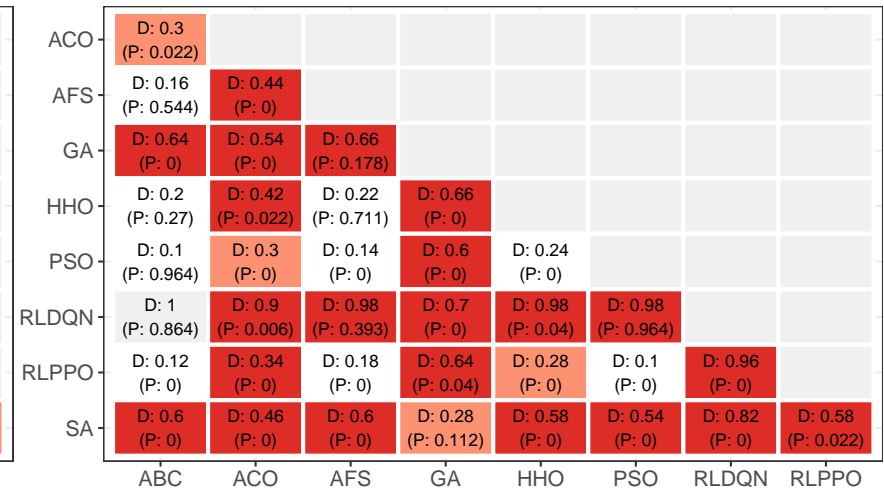
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scenario\_1\_servers\_200\_services\_7\_application\_MMA



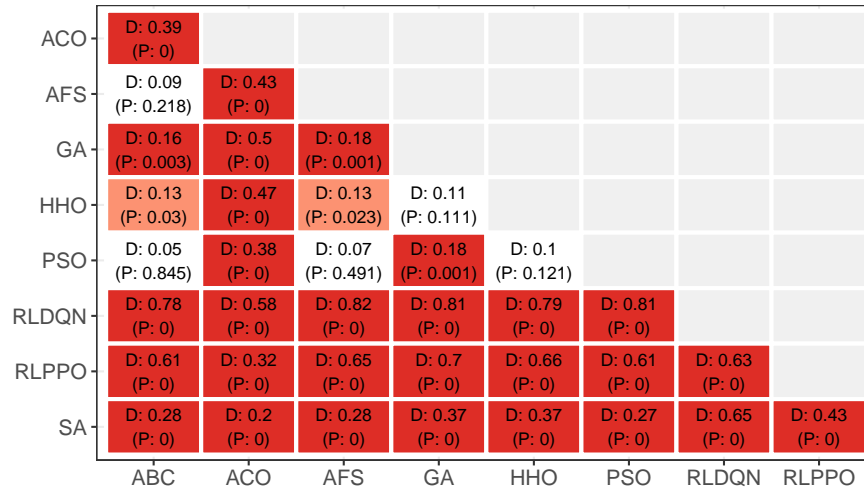
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scenario\_1\_servers\_200\_services\_7\_application\_PWD



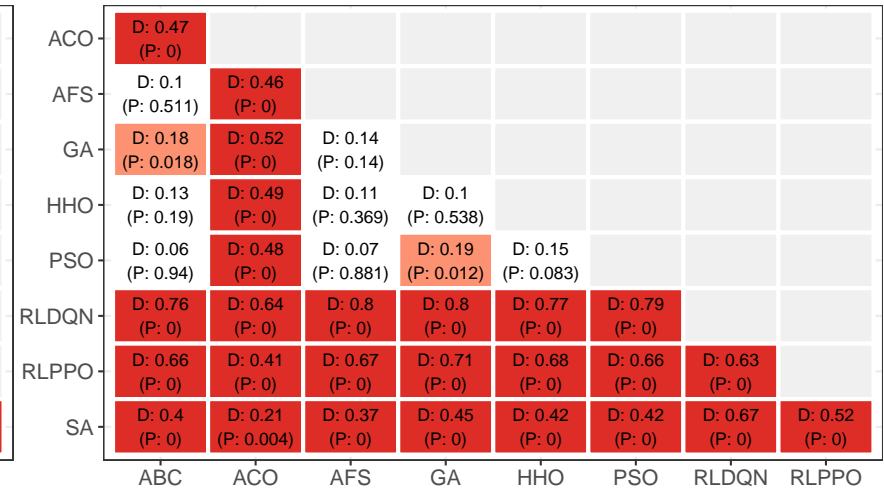
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scenario\_1\_servers\_300\_services\_1\_application\_GENERIC



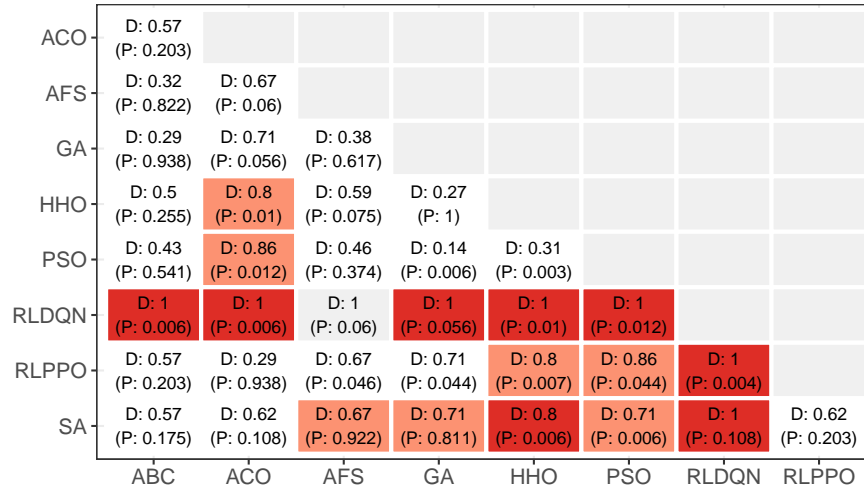
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scenario\_1\_servers\_300\_services\_1\_application\_LTS



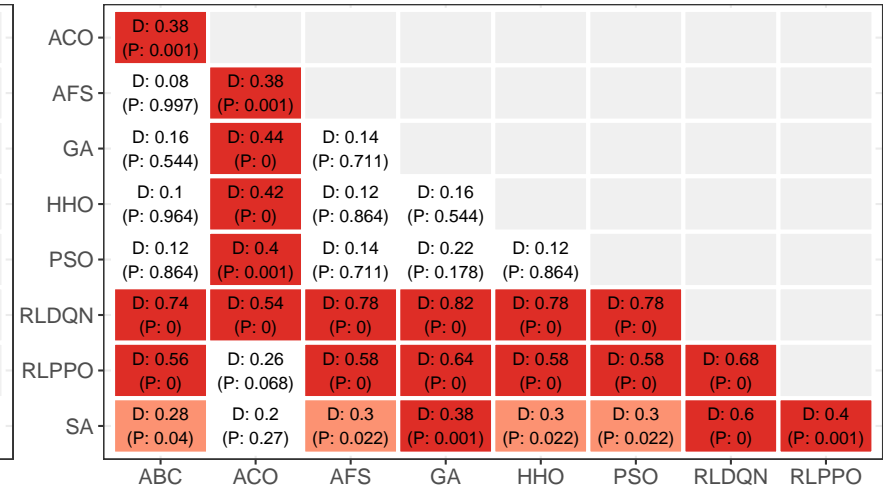
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scenario\_1\_servers\_300\_services\_1\_application\_MMA



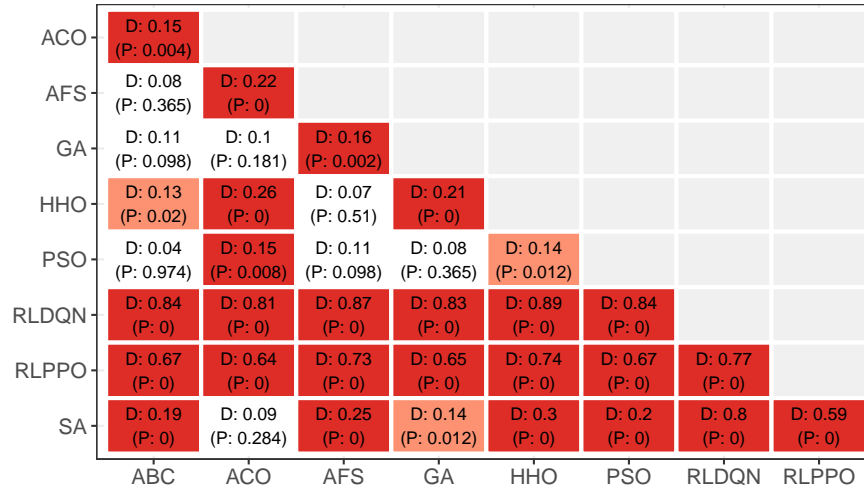
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scenario\_1\_servers\_300\_services\_1\_application\_PWD



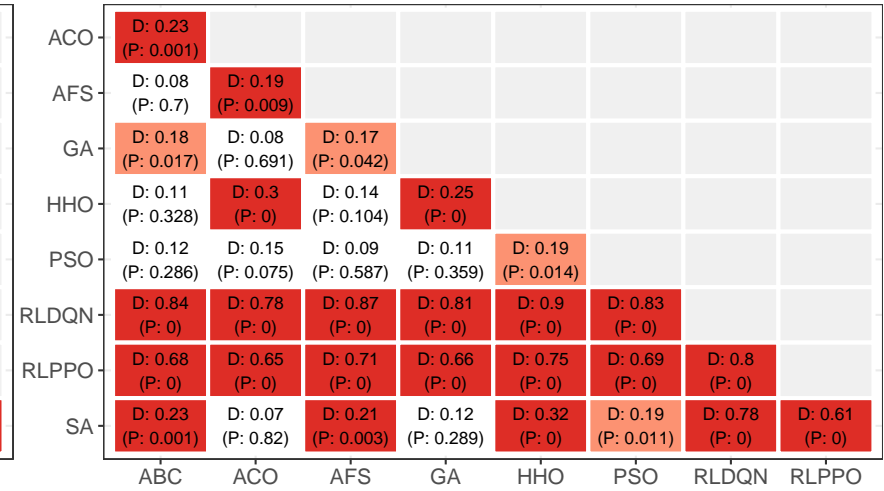
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scenario\_1\_servers\_300\_services\_3\_application\_GENERIC



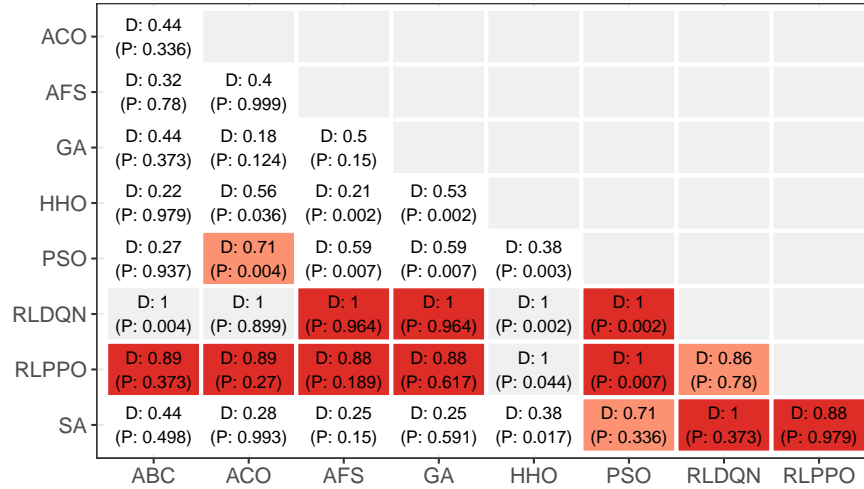
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scenario\_1\_servers\_300\_services\_3\_application\_LTS



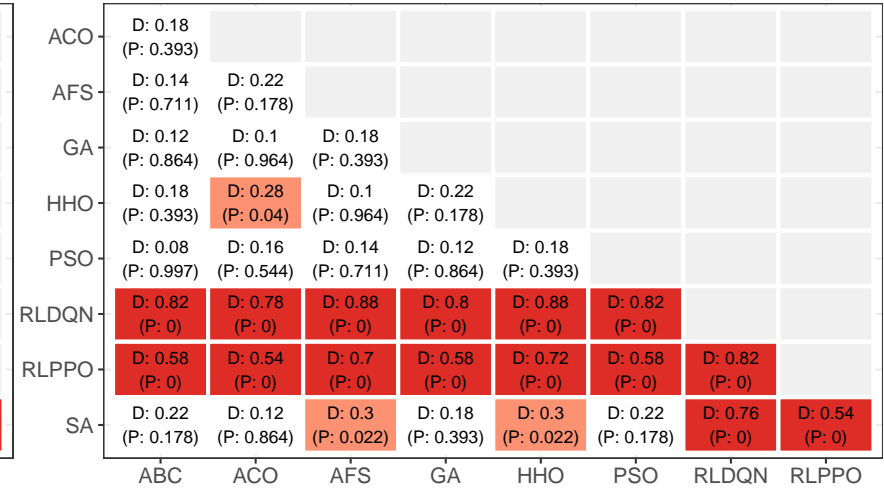
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scenario\_1\_servers\_300\_services\_3\_application\_MMA



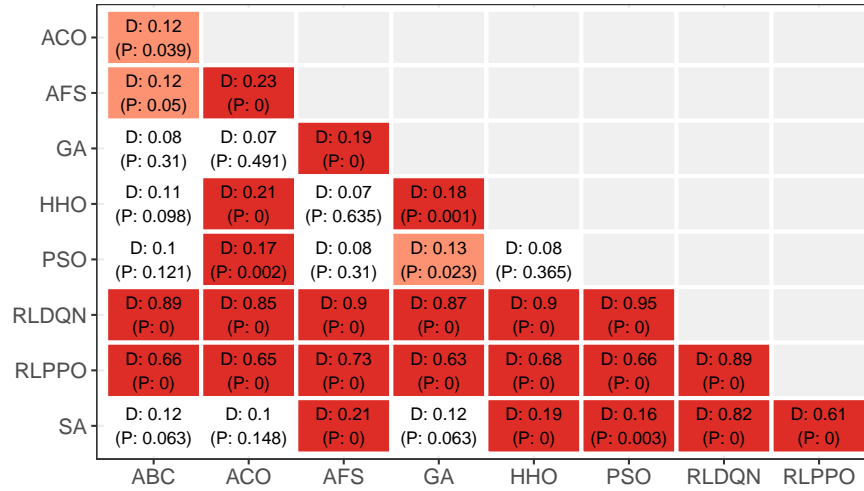
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scenario\_1\_servers\_300\_services\_3\_application\_PWD



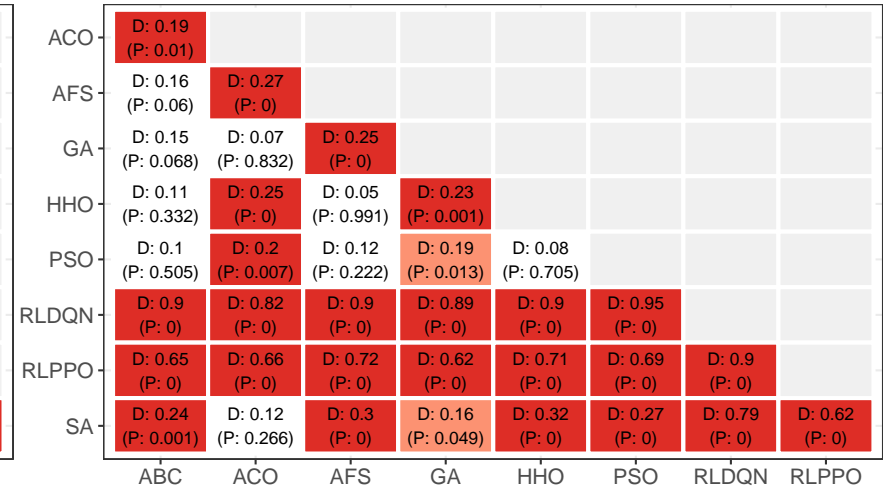
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scenario\_1\_servers\_300\_services\_5\_application\_GENERIC



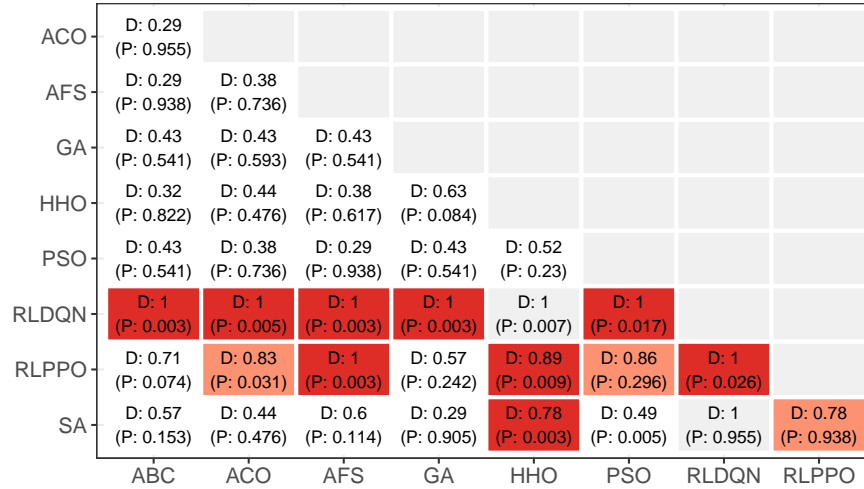
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scenario\_1\_servers\_300\_services\_5\_application\_LTS



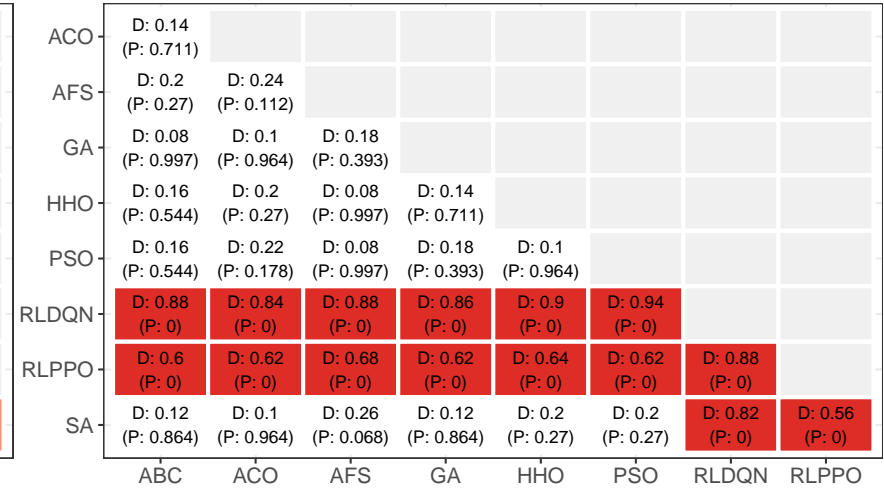
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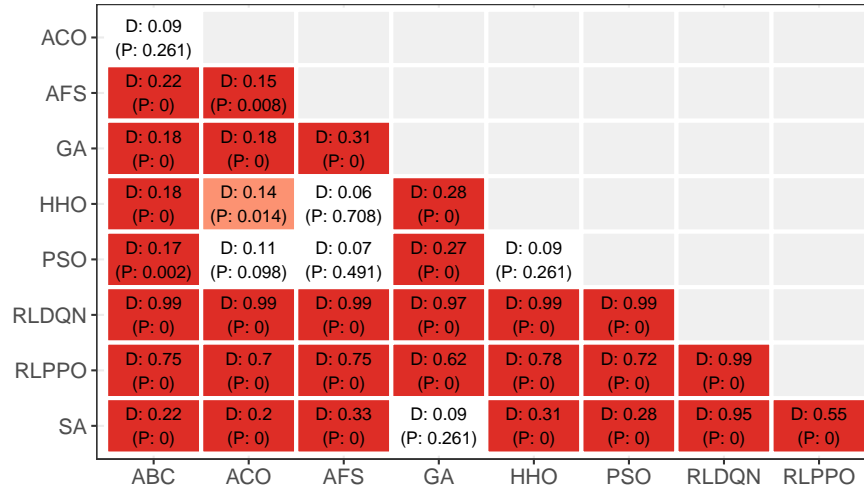
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scenario\_1\_servers\_300\_services\_5\_application\_PWD



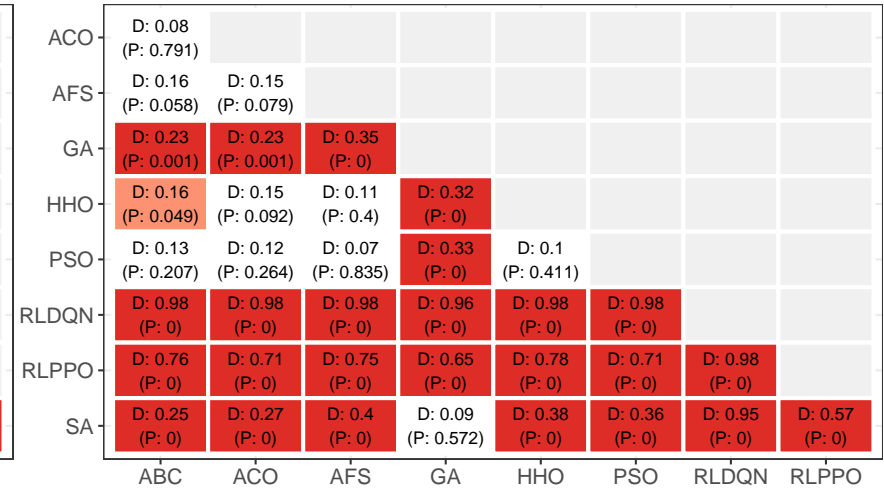
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scenario\_1\_servers\_300\_services\_7\_application\_GENERIC



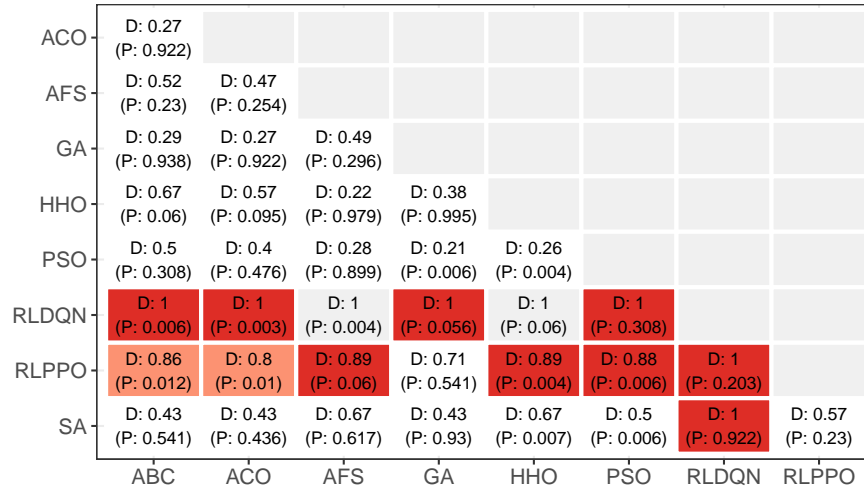
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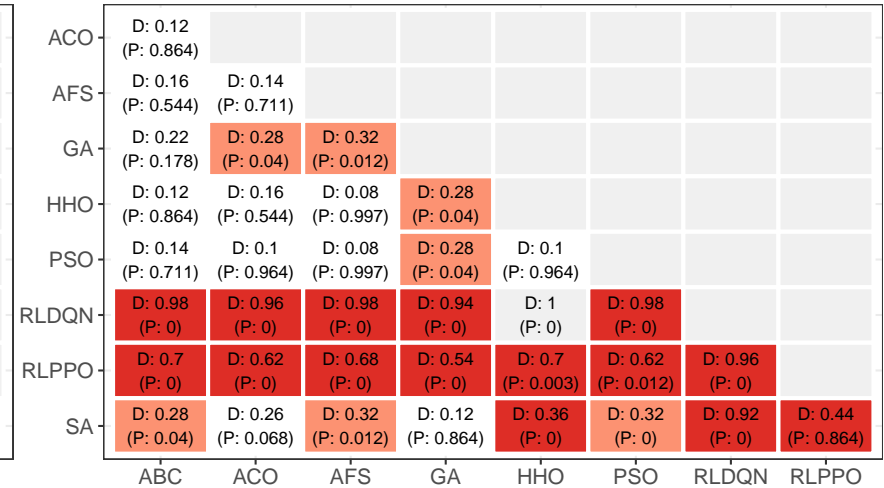
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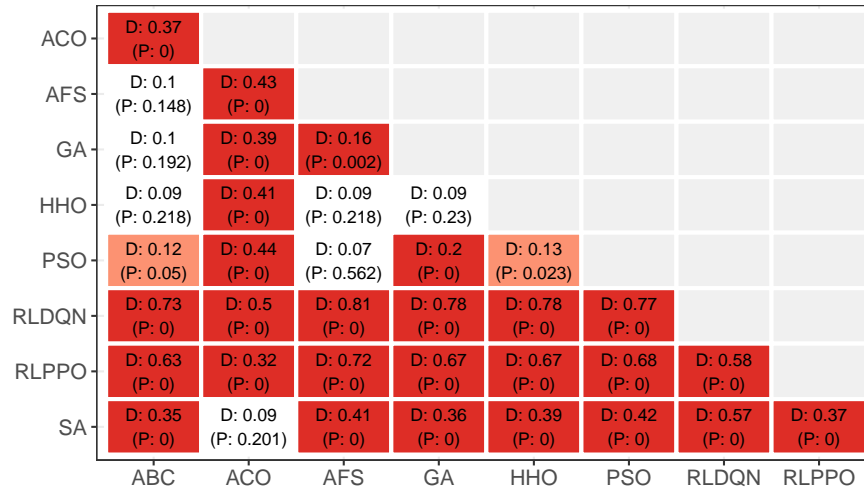
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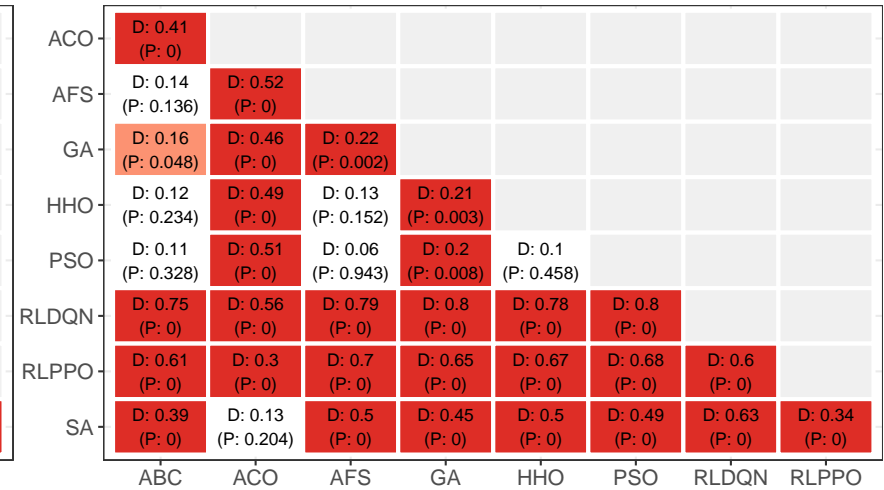
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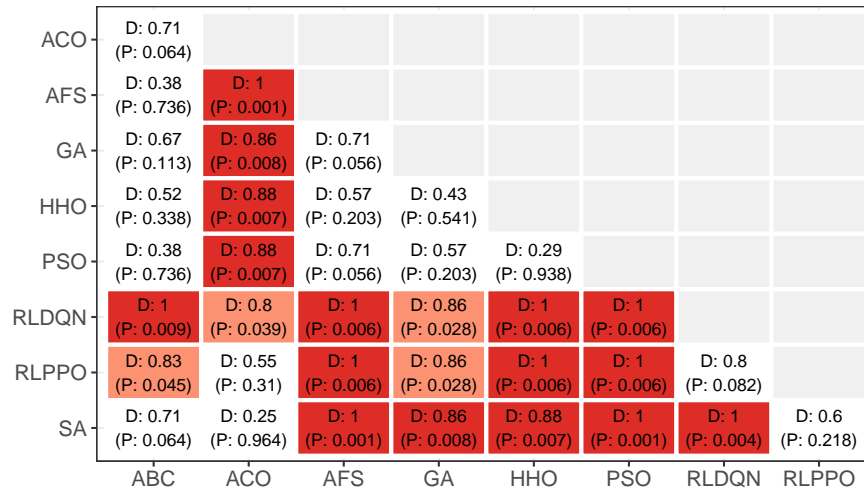
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scenario\_1\_servers\_400\_services\_1\_application\_LTS



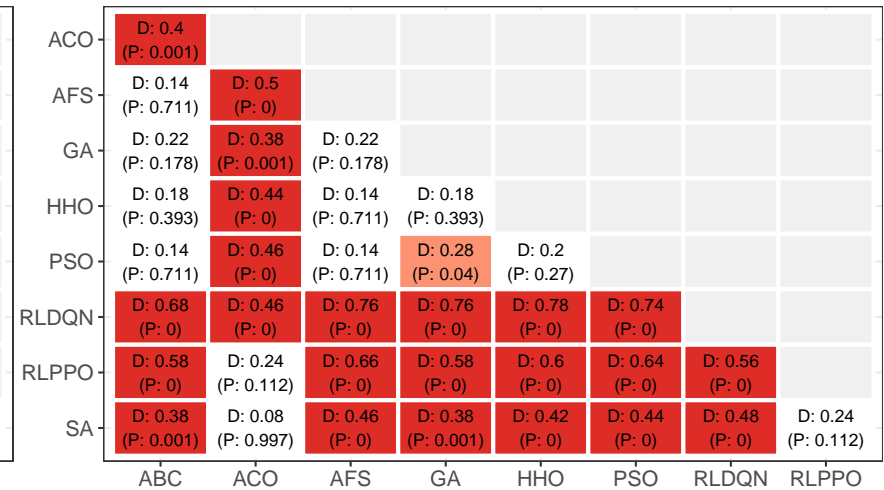
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scenario\_1\_servers\_400\_services\_1\_application\_MMA



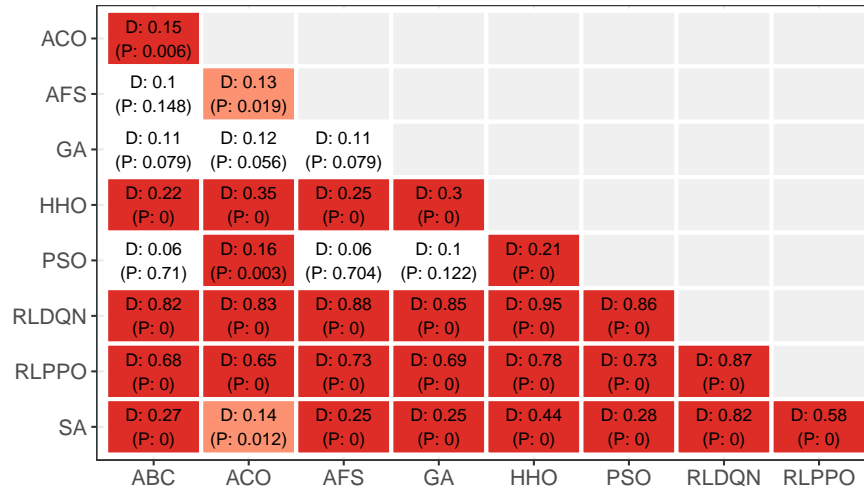
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scenario\_1\_servers\_400\_services\_1\_application\_PWD



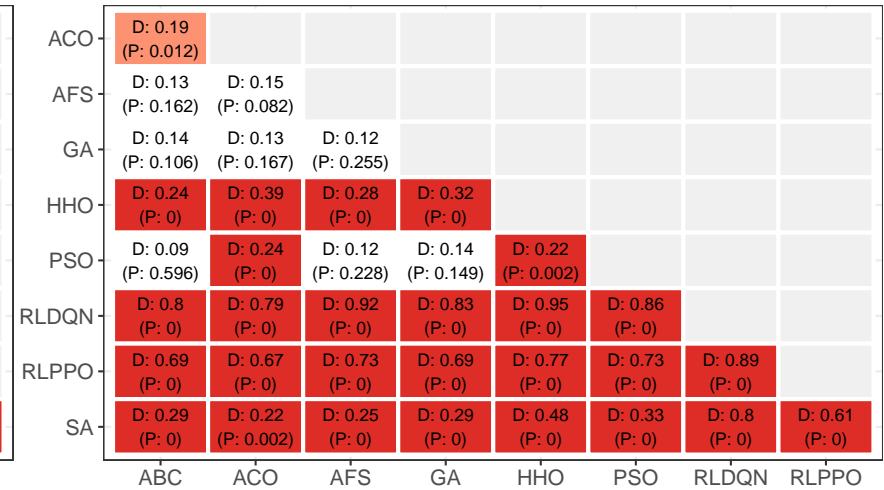
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scenario\_1\_servers\_400\_services\_3\_application\_GENERIC



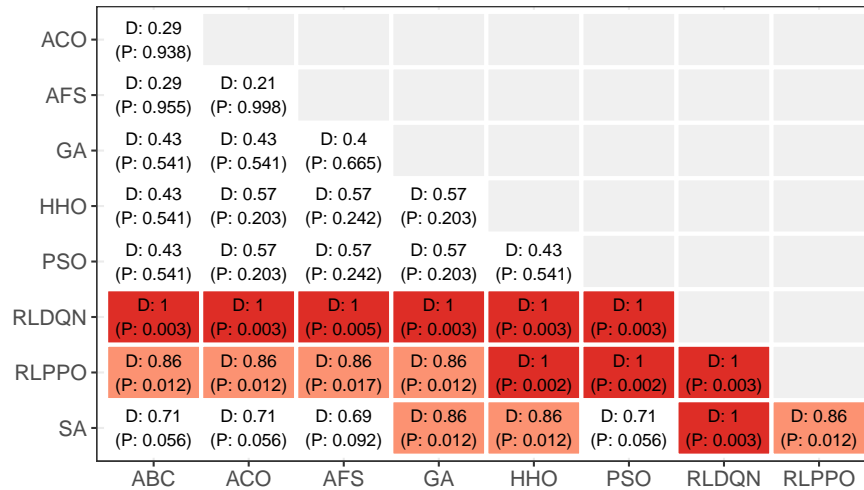
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scenario\_1\_servers\_400\_services\_3\_application\_LTS



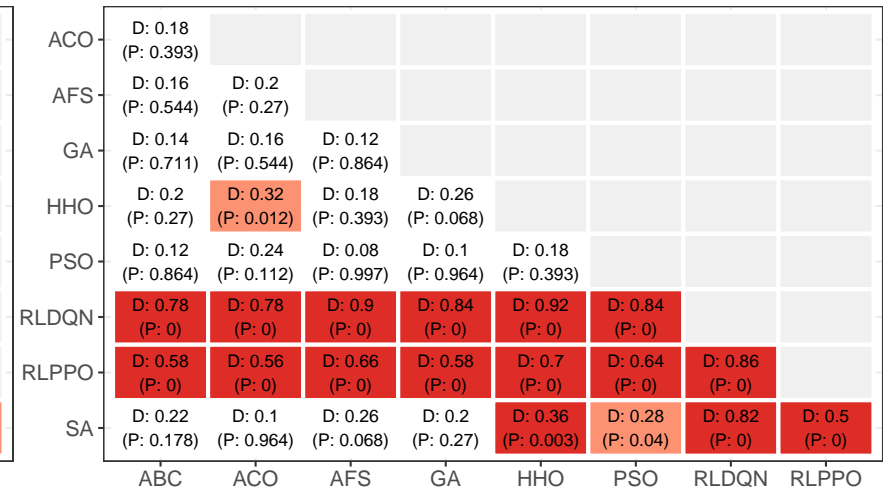
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scenario\_1\_servers\_400\_services\_3\_application\_MMA



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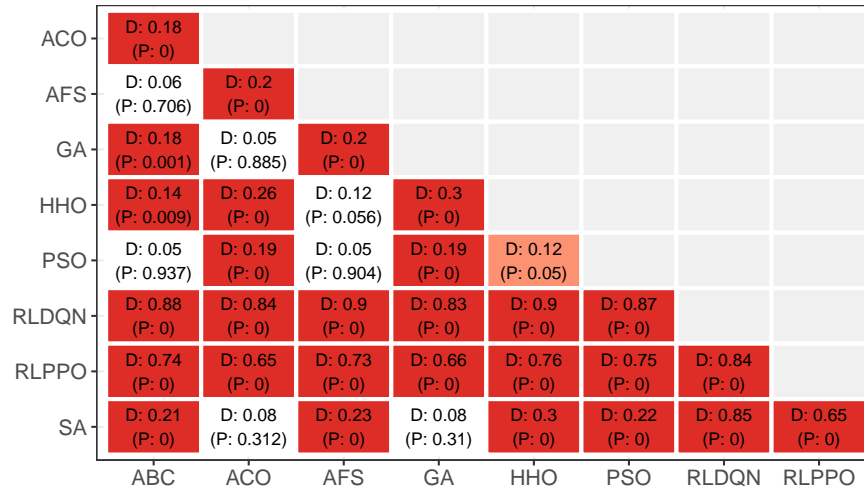
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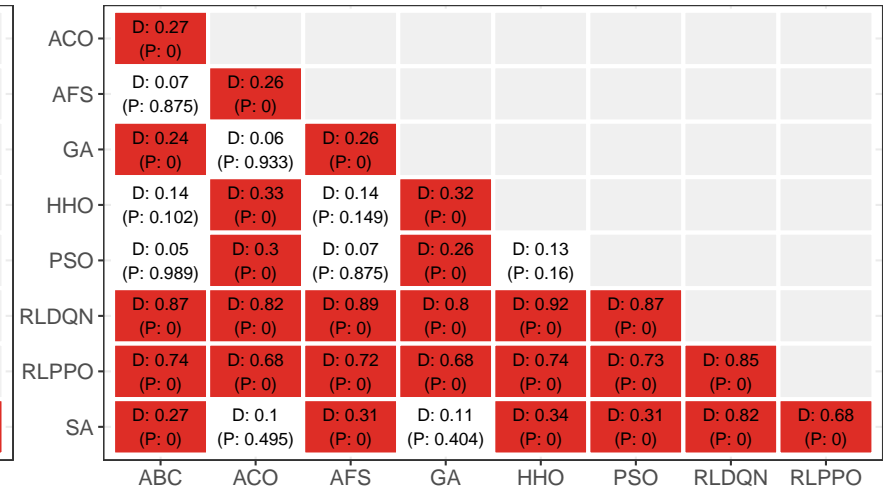


scenario\_1\_servers\_400\_services\_5\_application\_GENERIC



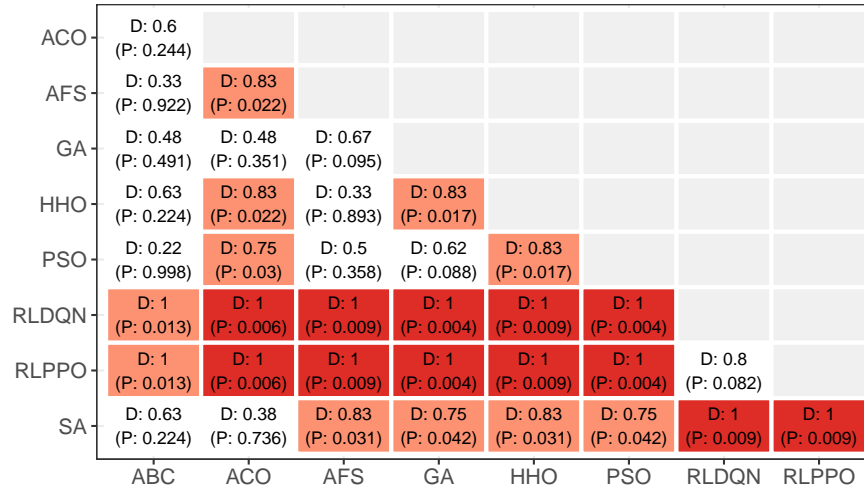
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scenario\_1\_servers\_400\_services\_5\_application\_LTS



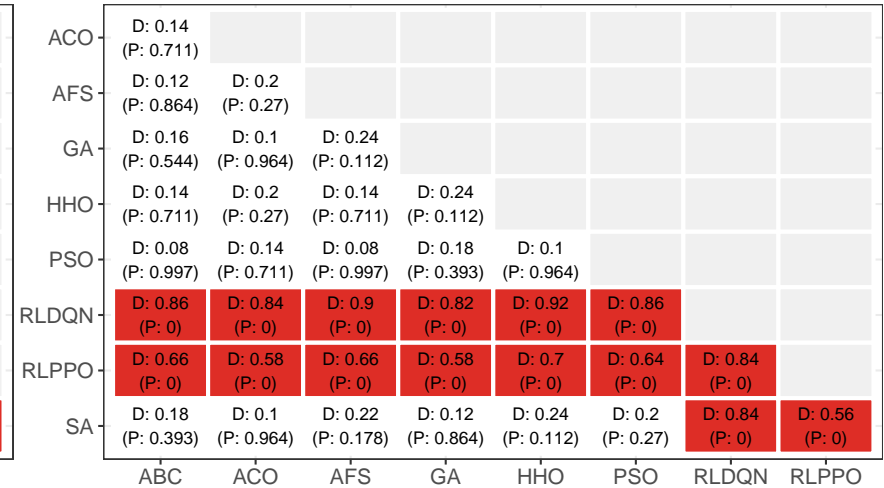
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scenario\_1\_servers\_400\_services\_5\_application\_MMA



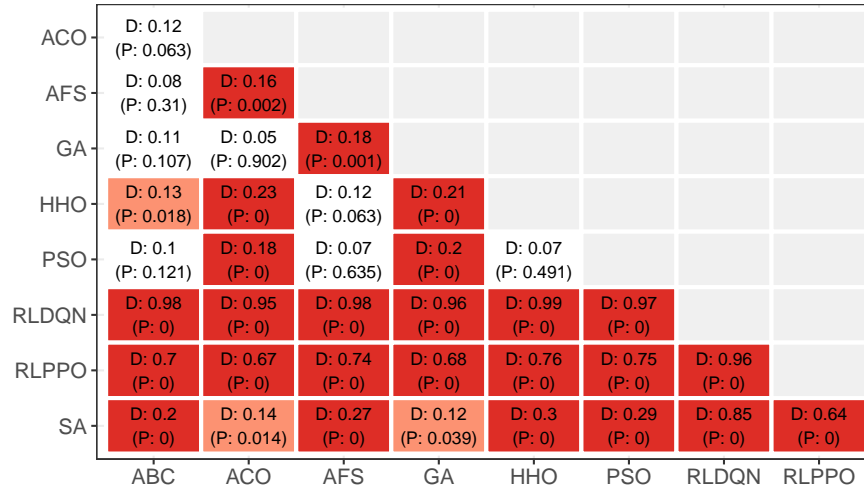
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scenario\_1\_servers\_400\_services\_5\_application\_PWD



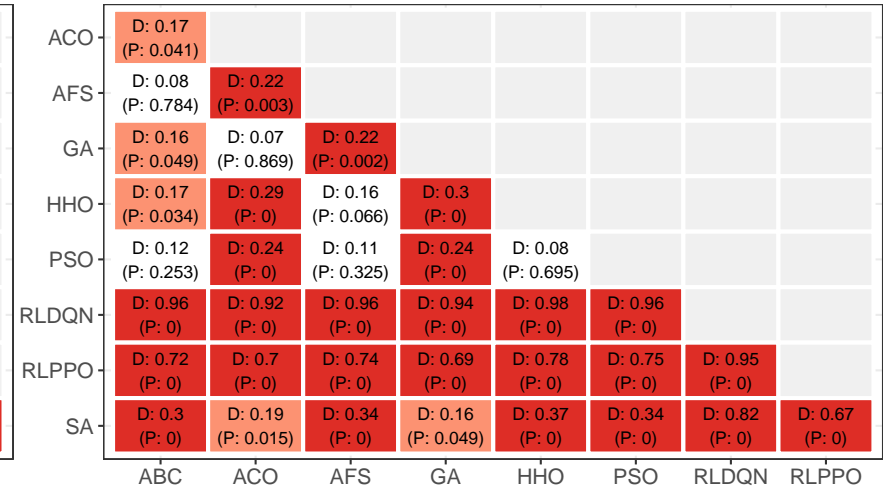
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scenario\_1\_servers\_400\_services\_7\_application\_GENERIC



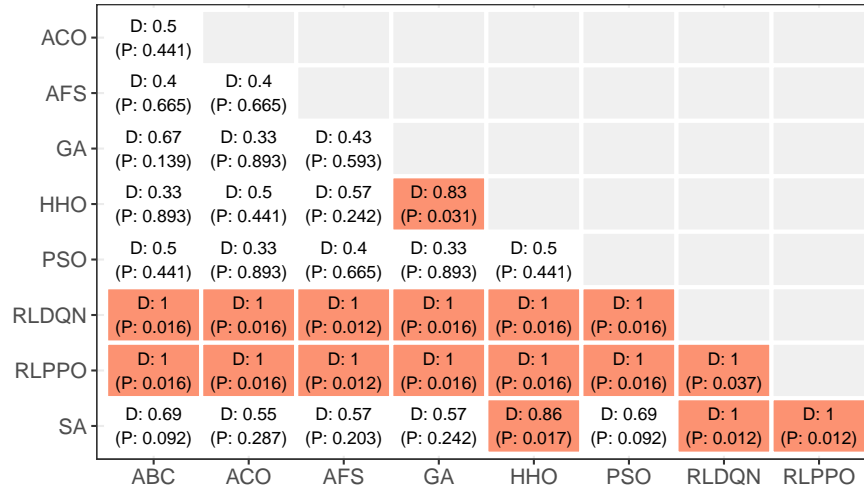
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 P < 0.01

scenario\_1\_servers\_400\_services\_7\_application\_LTS



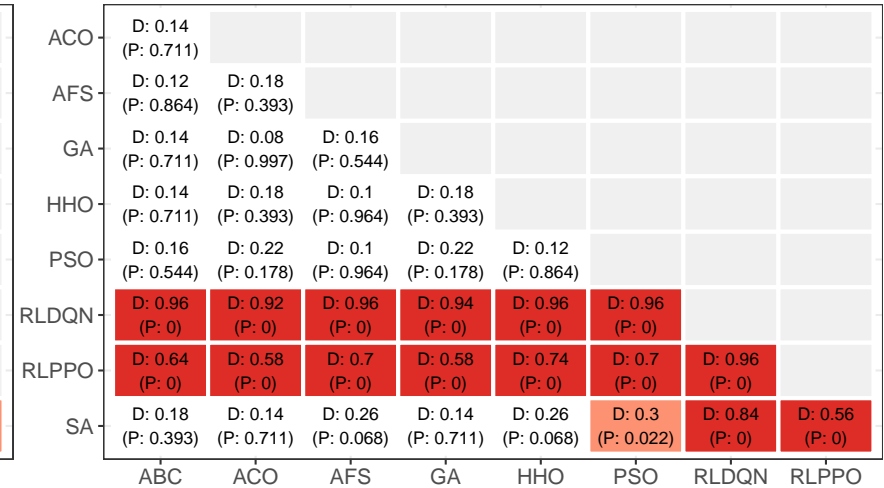
NS
 P < 0.05
 P < 0.01

scenario\_1\_servers\_400\_services\_7\_application\_MMA



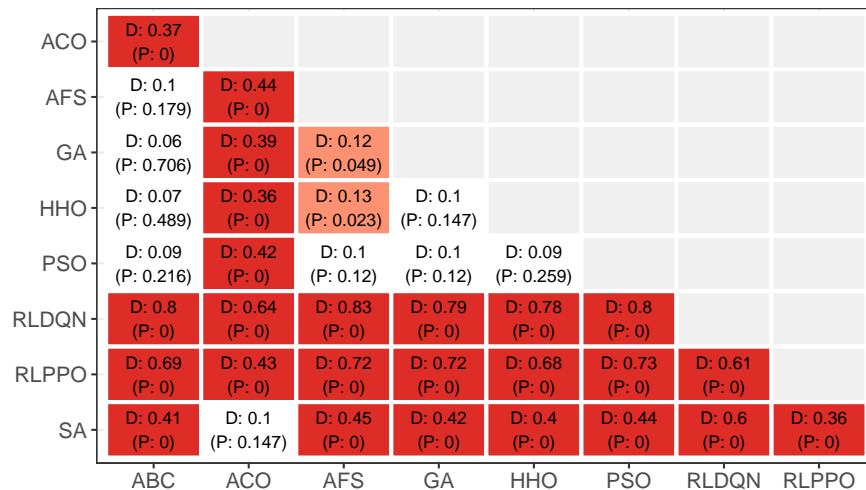
NS
 P < 0.05

scenario\_1\_servers\_400\_services\_7\_application\_PWD



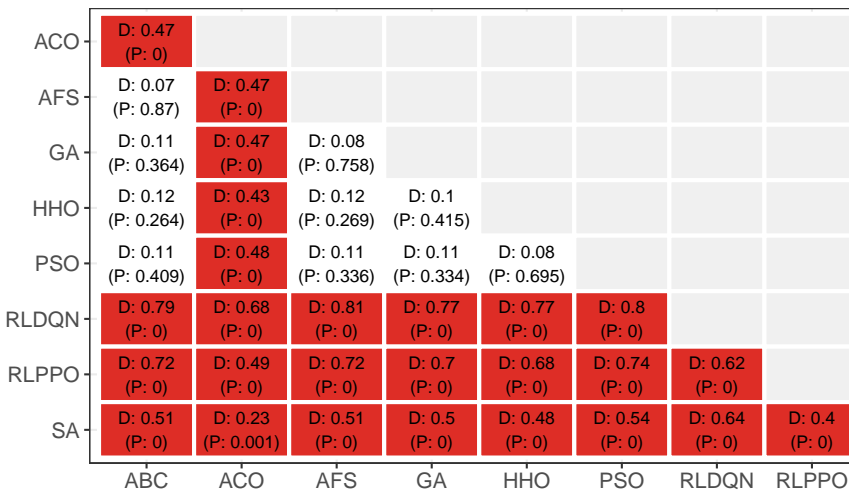
NS
 P < 0.05
 P < 0.01

scenario\_1\_servers\_500\_services\_1\_application\_GENERIC



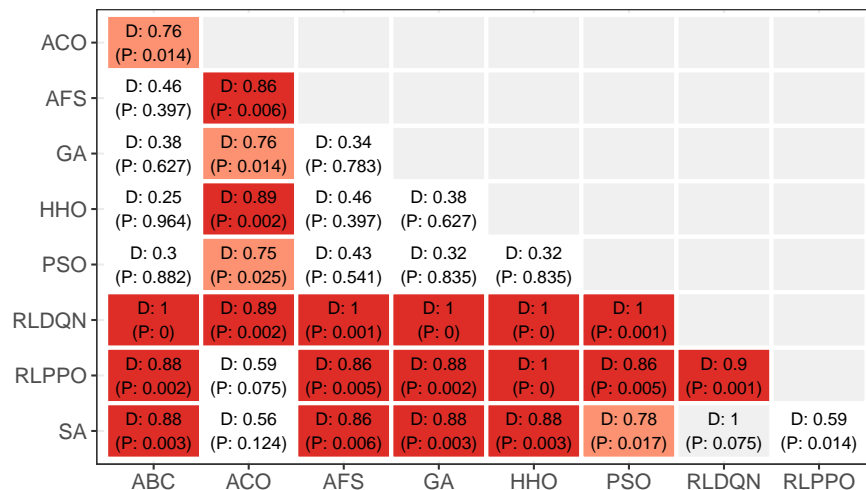
NS
  P < 0.05
  P < 0.01

scenario\_1\_servers\_500\_services\_1\_application\_LTS



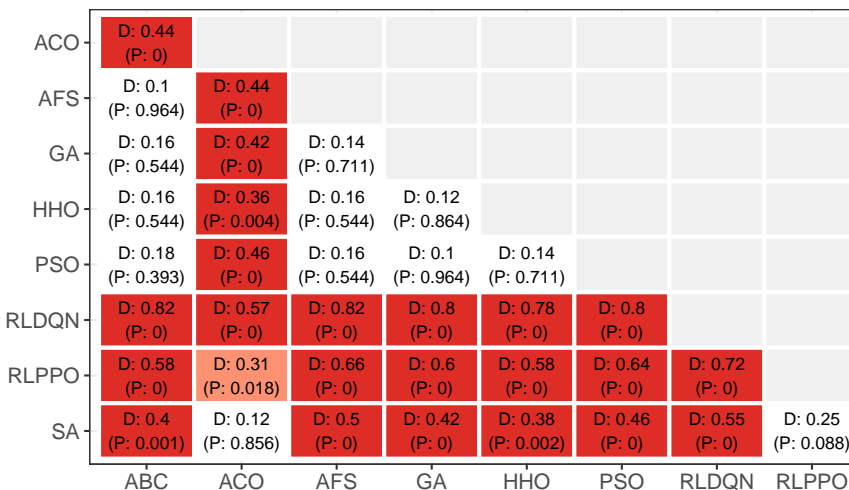
NS
  P < 0.01

scenario\_1\_servers\_500\_services\_1\_application\_MMA



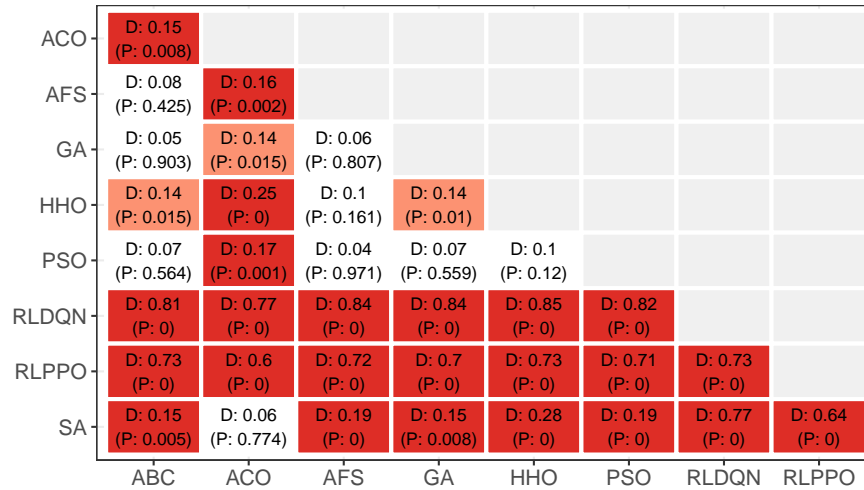
NS
  P < 0.05
  P < 0.01

scenario\_1\_servers\_500\_services\_1\_application\_PWD



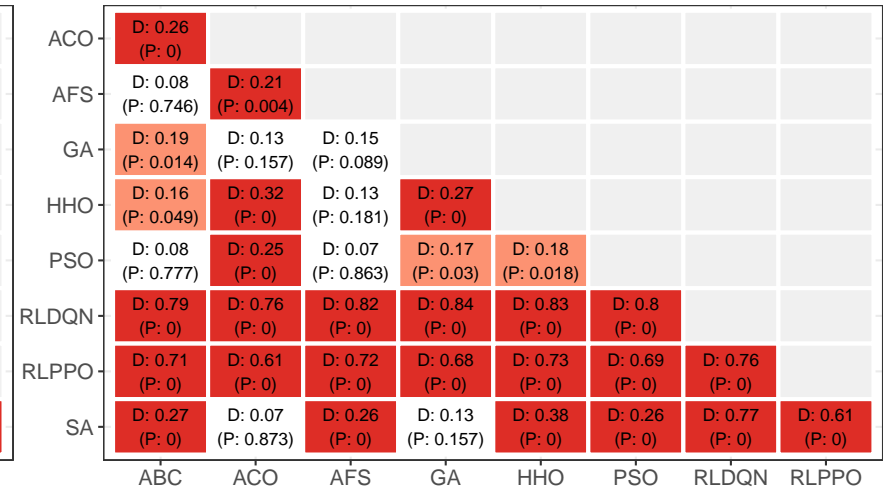
NS
  P < 0.05
  P < 0.01

scenario\_1\_servers\_500\_services\_3\_application\_GENERIC



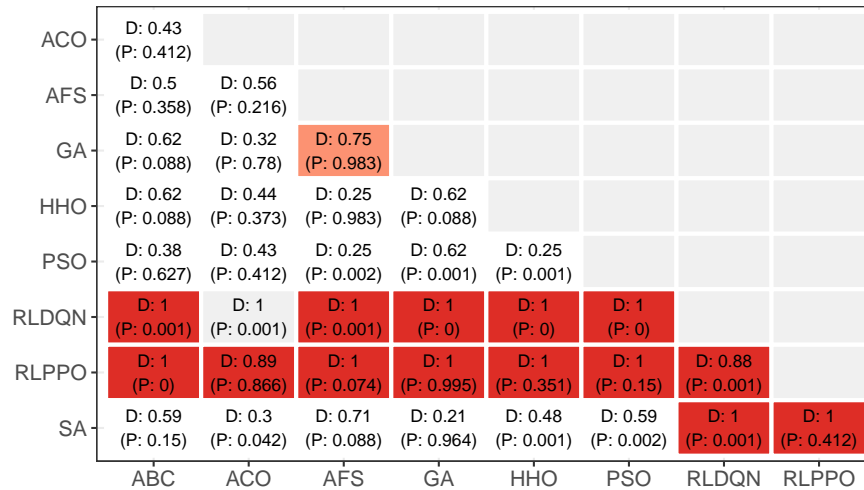
NS
  P < 0.05
  P < 0.01

scenario\_1\_servers\_500\_services\_3\_application\_LTS



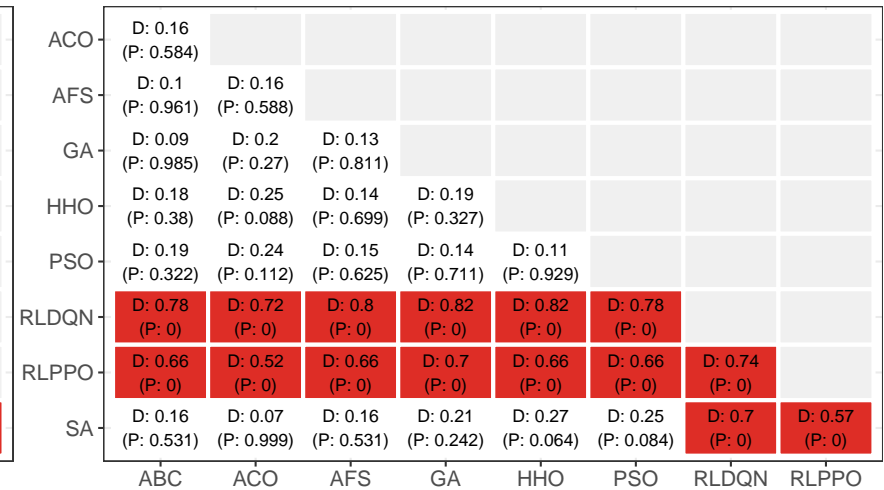
NS
  P < 0.05
  P < 0.01

scenario\_1\_servers\_500\_services\_3\_application\_MMA



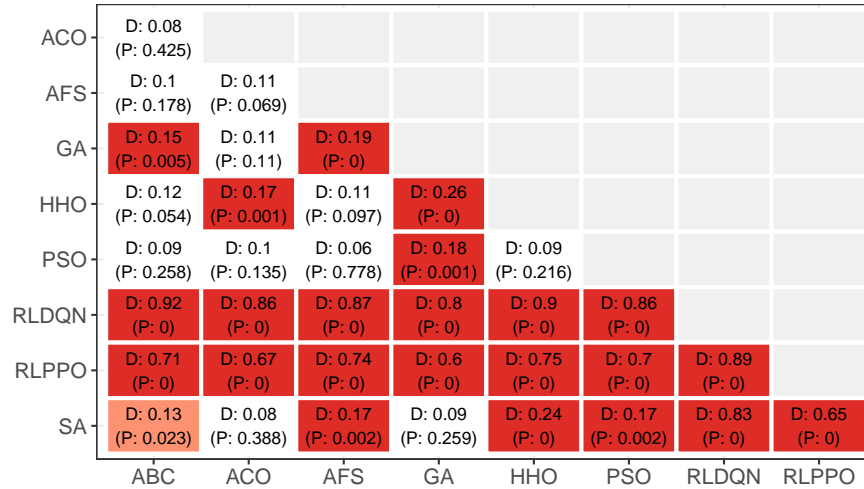
NS
  P < 0.05
  P < 0.01

scenario\_1\_servers\_500\_services\_3\_application\_PWD



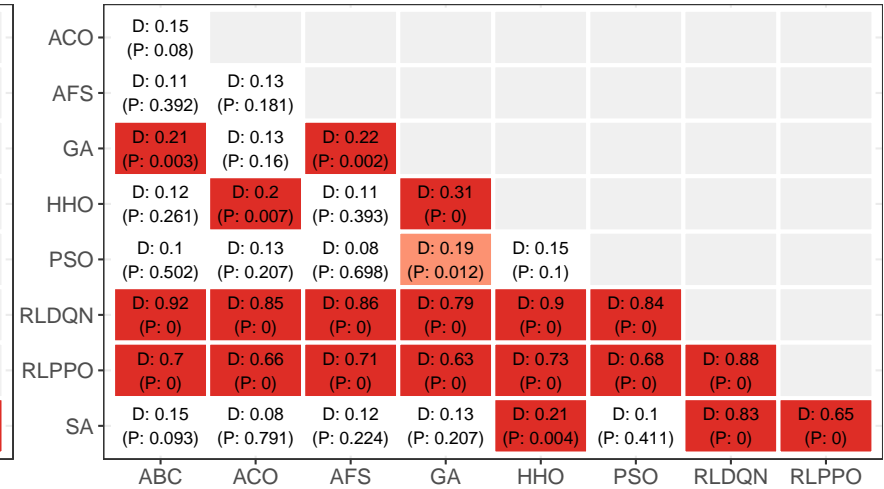
NS
  P < 0.01

scenario\_1\_servers\_500\_services\_5\_application\_GENERIC



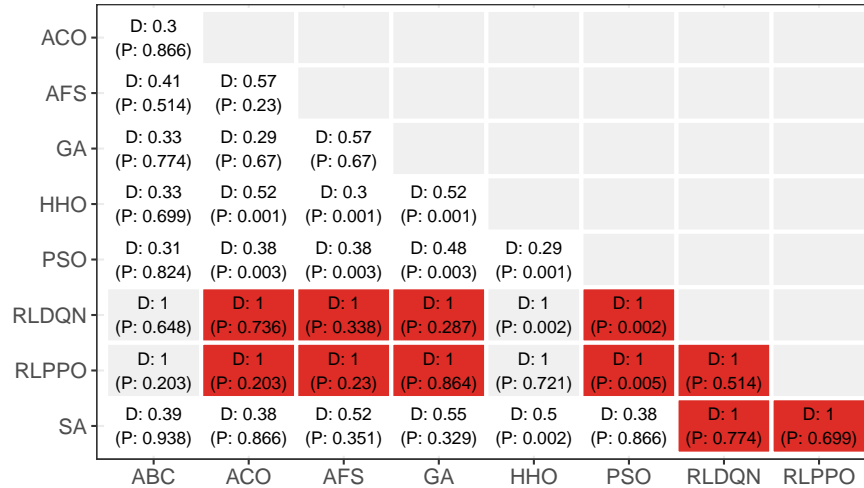
□ NS □ P < 0.05 ■ P < 0.01

scenario\_1\_servers\_500\_services\_5\_application\_LTS



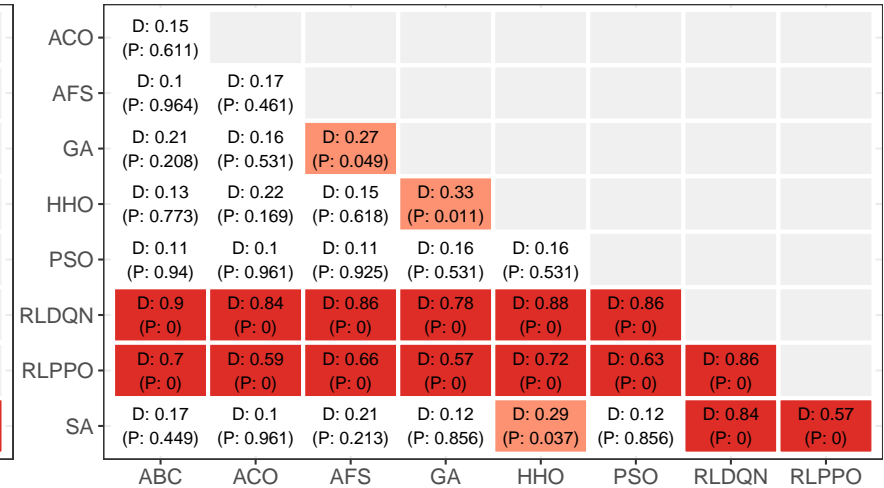
□ NS □ P < 0.05 ■ P < 0.01

scenario\_1\_servers\_500\_services\_5\_application\_MMA



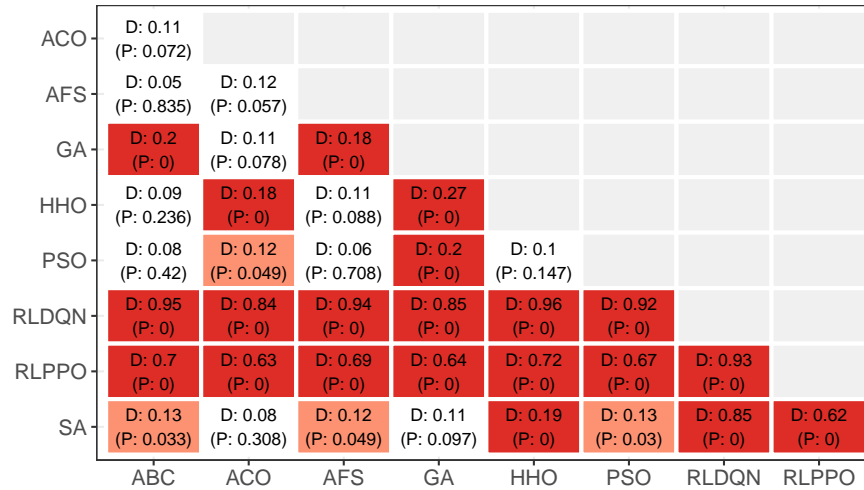
□ NS ■ P < 0.01

scenario\_1\_servers\_500\_services\_5\_application\_PWD



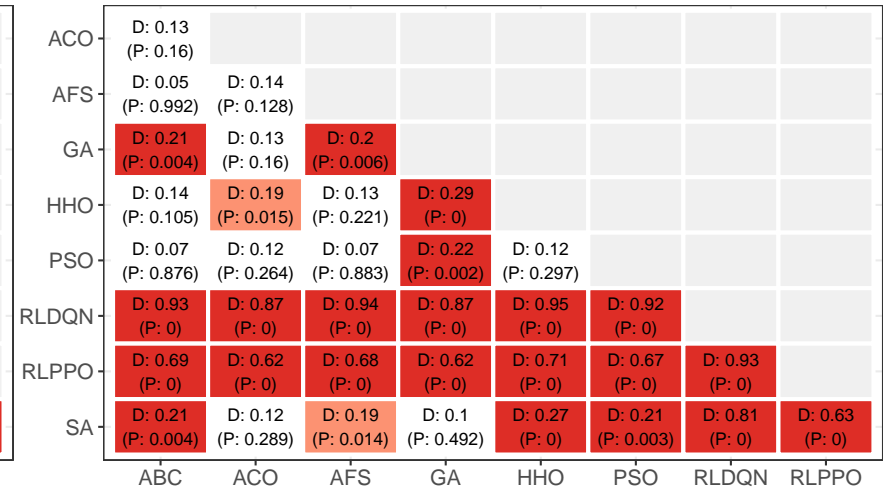
□ NS □ P < 0.05 ■ P < 0.01

scenario\_1\_servers\_500\_services\_7\_application\_GENERIC



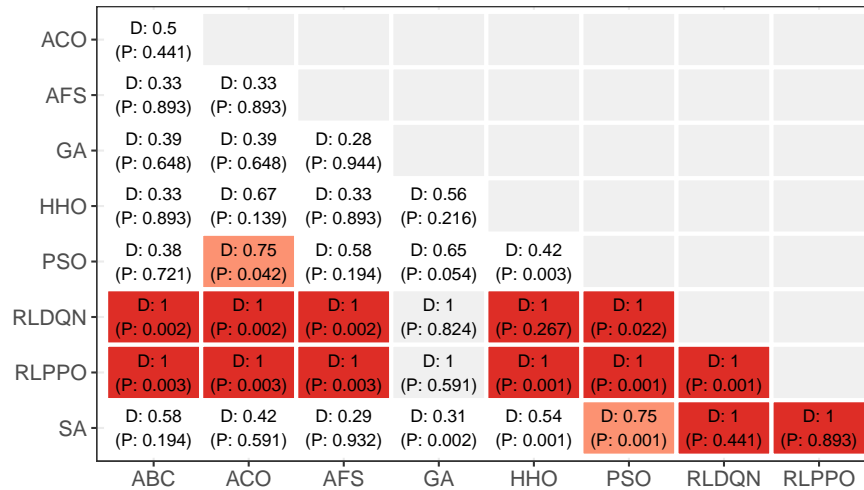
NS
  P < 0.05
  P < 0.01

scenario\_1\_servers\_500\_services\_7\_application\_LTS



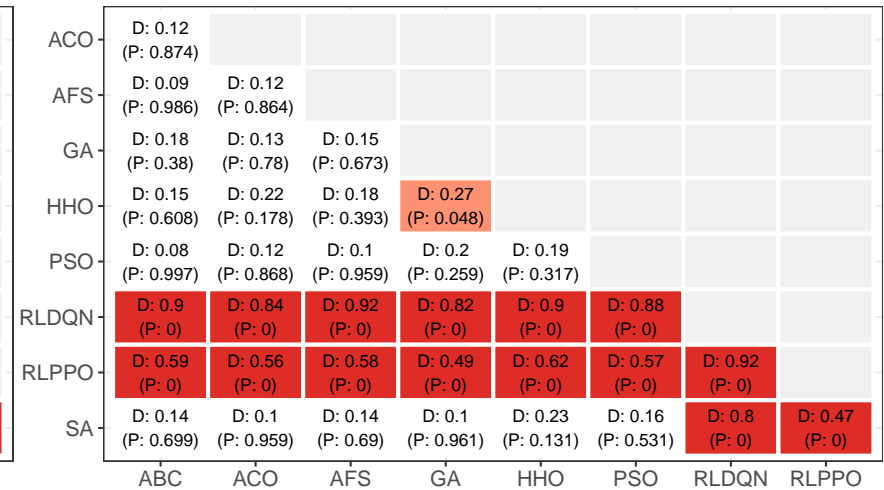
NS
  P < 0.05
  P < 0.01

scenario\_1\_servers\_500\_services\_7\_application\_MMA



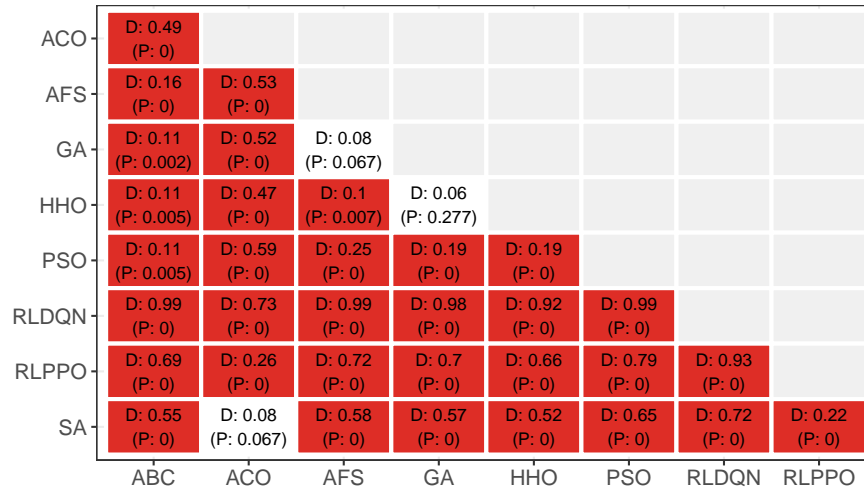
NS
  P < 0.05
  P < 0.01

scenario\_1\_servers\_500\_services\_7\_application\_PWD



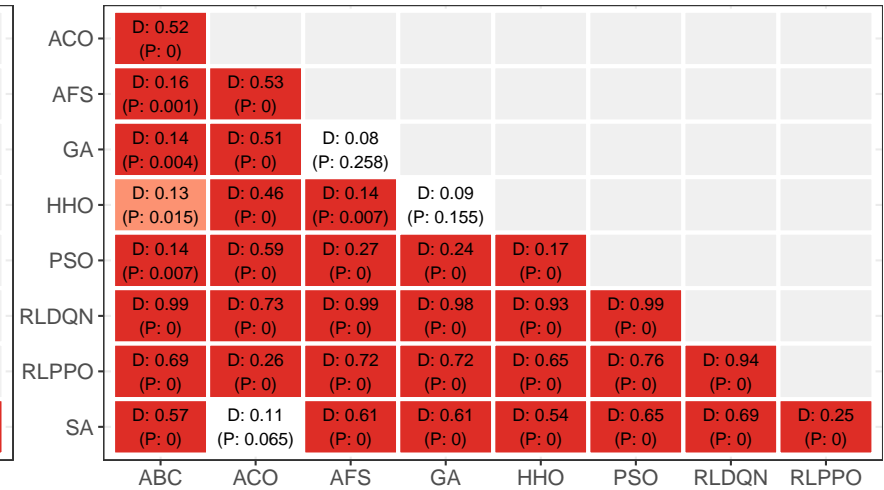
NS
  P < 0.05
  P < 0.01

scenario\_2\_servers\_100\_services\_1\_application\_GENERIC



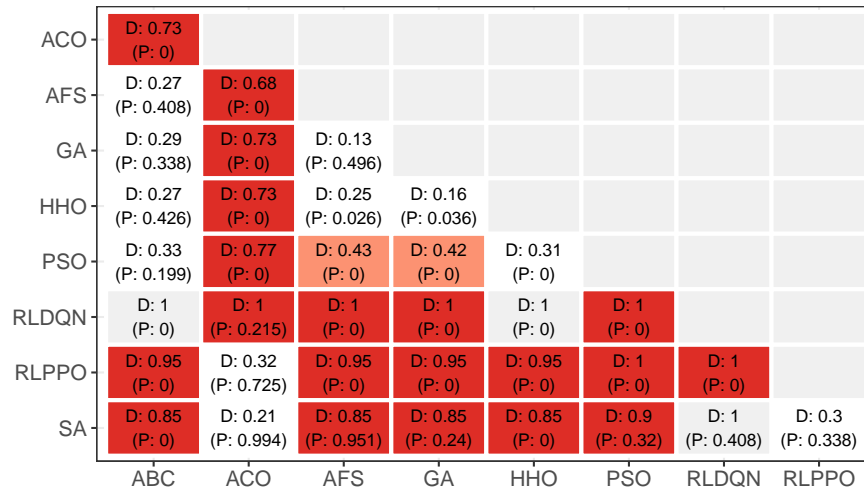
□ NS □ P < 0.01

scenario\_2\_servers\_100\_services\_1\_application\_LTS



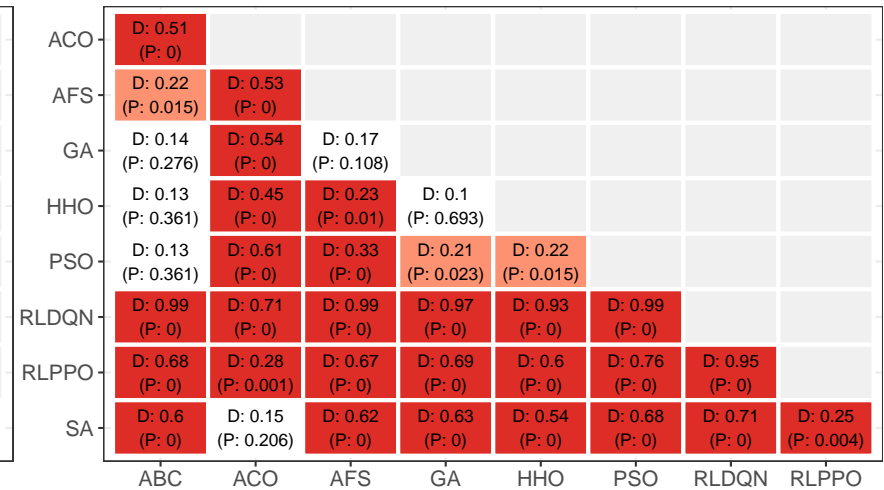
□ NS □ P < 0.05 □ P < 0.01

scenario\_2\_servers\_100\_services\_1\_application\_MMA



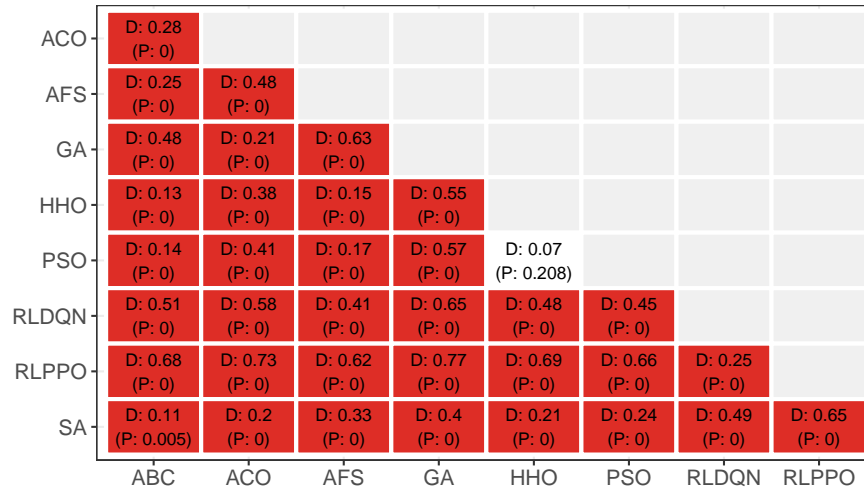
□ NS □ P < 0.05 □ P < 0.01

scenario\_2\_servers\_100\_services\_1\_application\_PWD



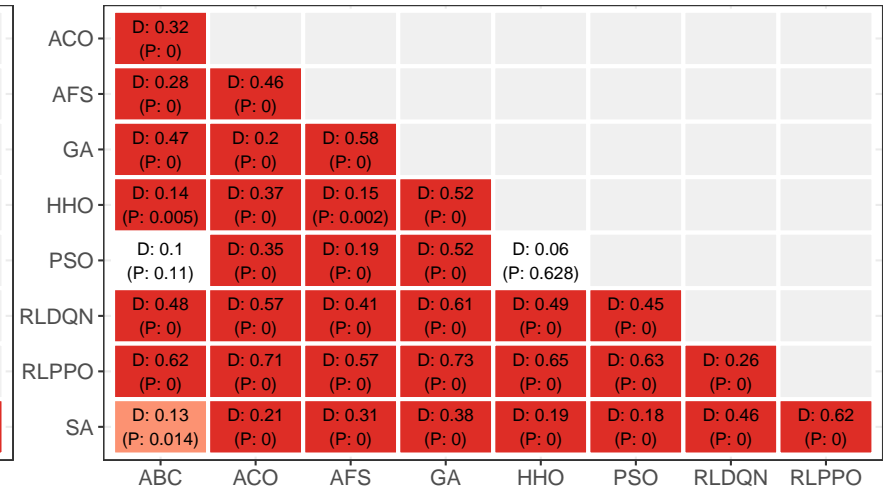
□ NS □ P < 0.05 □ P < 0.01

scenario\_2\_servers\_100\_services\_3\_application\_GENERIC



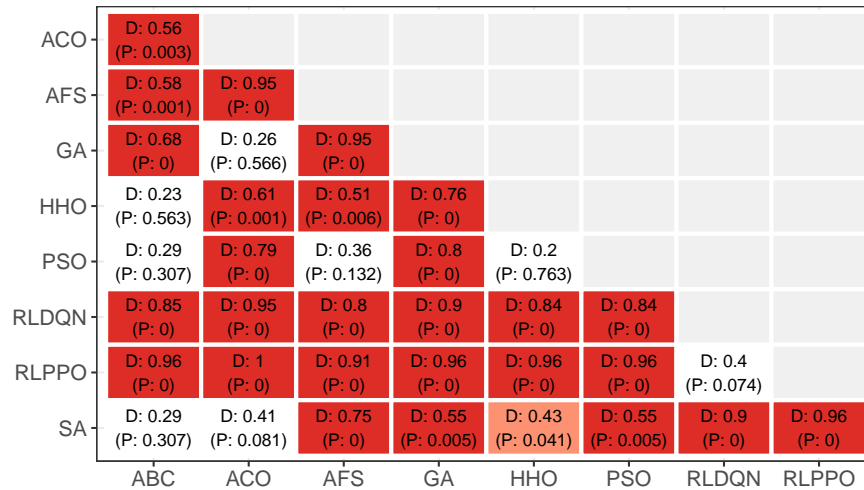
NS P < 0.01

scenario\_2\_servers\_100\_services\_3\_application\_LTS



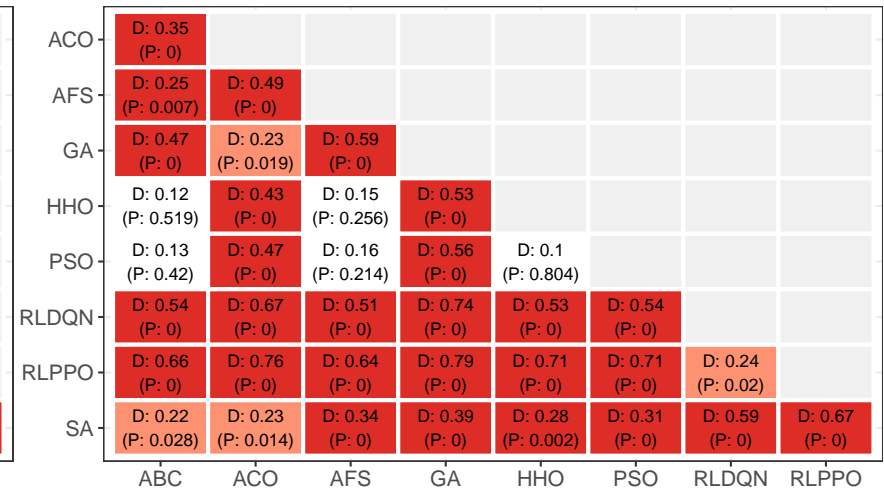
NS P < 0.05 P < 0.01

scenario\_2\_servers\_100\_services\_3\_application\_MMA



NS P < 0.05 P < 0.01

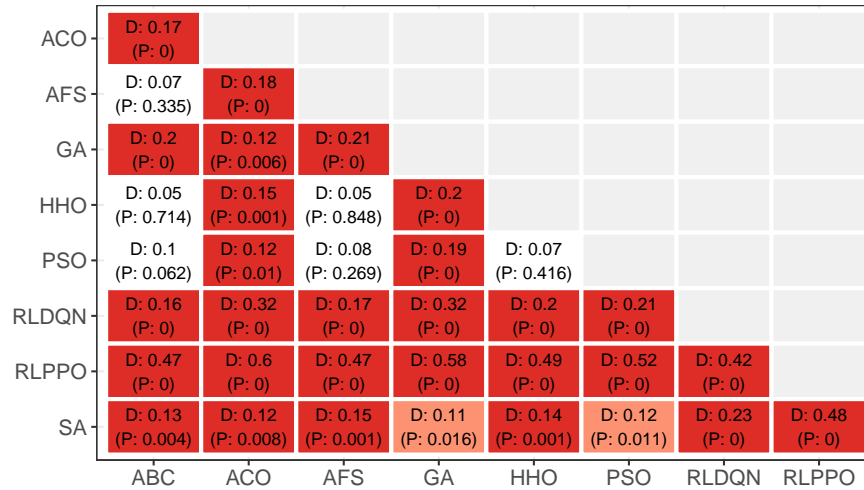
scenario\_2\_servers\_100\_services\_3\_application\_PWD



NS P < 0.05 P < 0.01

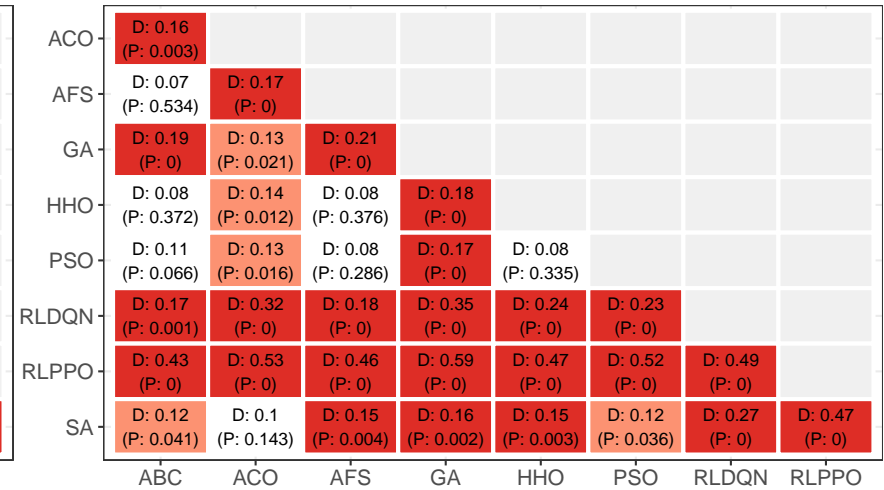


scenario\_2\_servers\_100\_services\_5\_application\_GENERIC



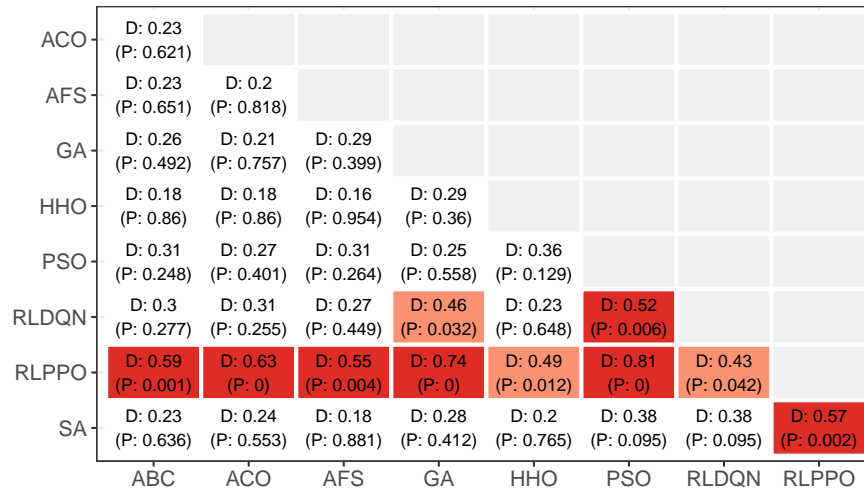
NS P < 0.05 P < 0.01

scenario\_2\_servers\_100\_services\_5\_application\_LTS



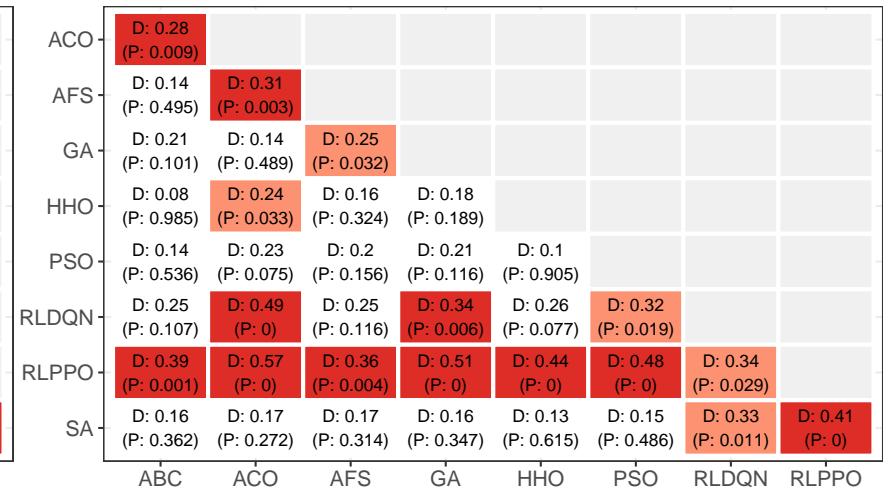
NS P < 0.05 P < 0.01

scenario\_2\_servers\_100\_services\_5\_application\_MMA



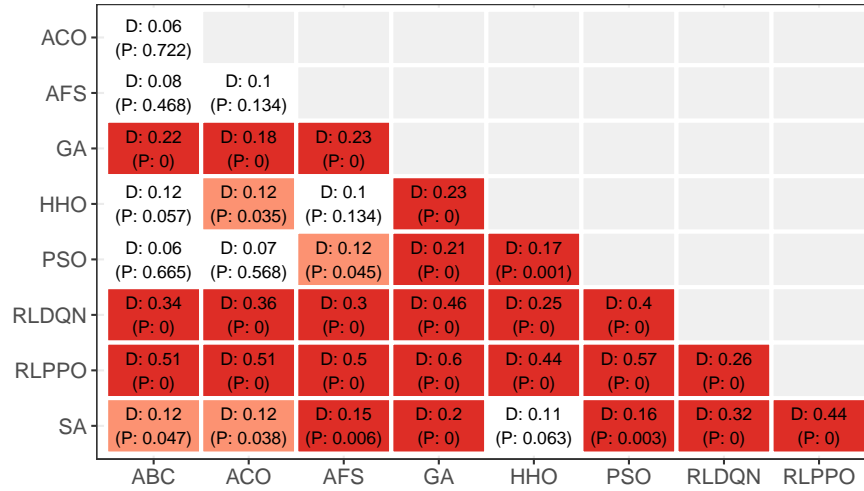
NS P < 0.05 P < 0.01

scenario\_2\_servers\_100\_services\_5\_application\_PWD



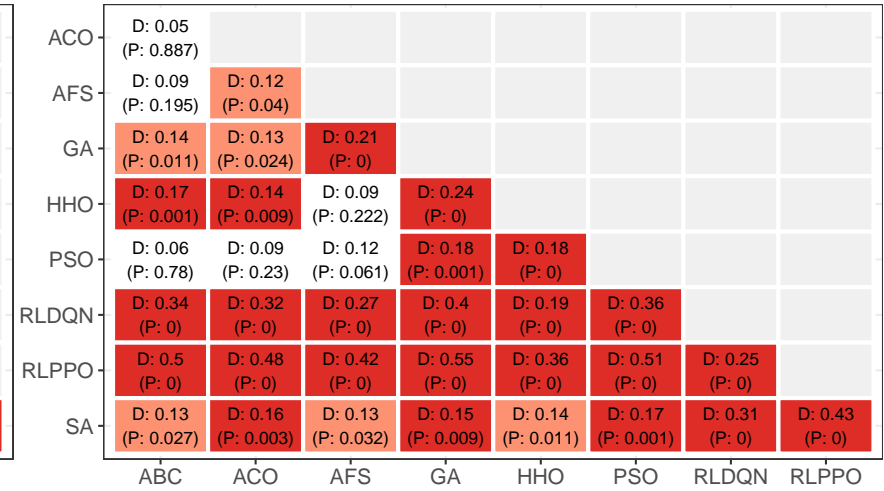
NS P < 0.05 P < 0.01

scenario\_2\_servers\_100\_services\_7\_application\_GENERIC



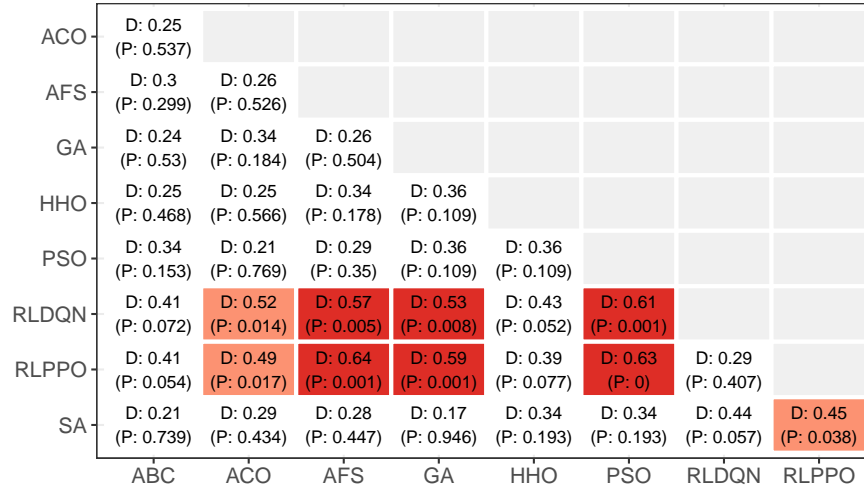
NS P < 0.05 P < 0.01

scenario\_2\_servers\_100\_services\_7\_application\_LTS



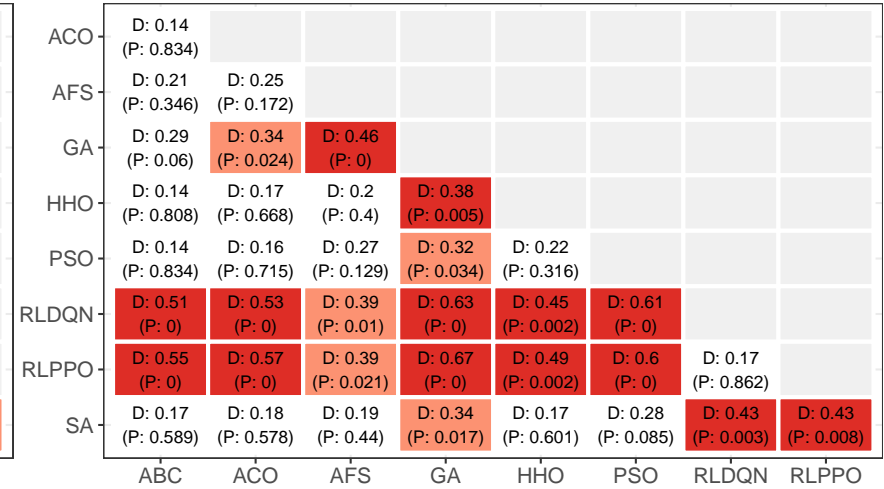
NS P < 0.05 P < 0.01

scenario\_2\_servers\_100\_services\_7\_application\_MMA



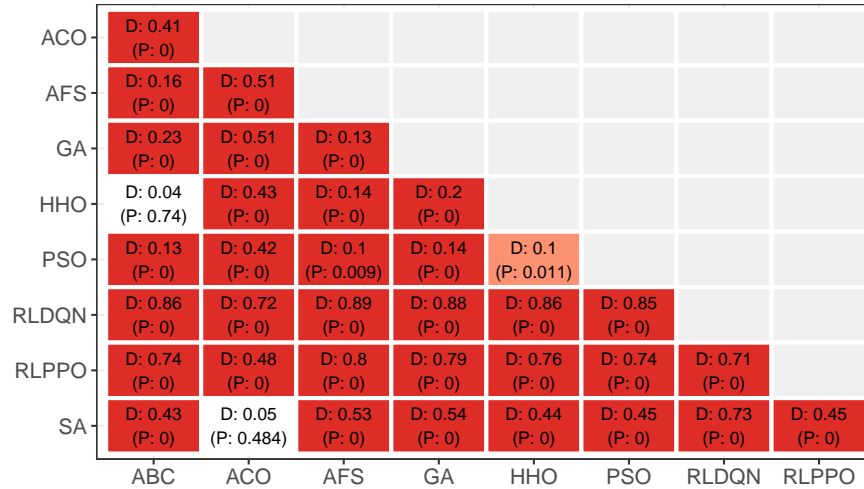
NS P < 0.05 P < 0.01

scenario\_2\_servers\_100\_services\_7\_application\_PWD



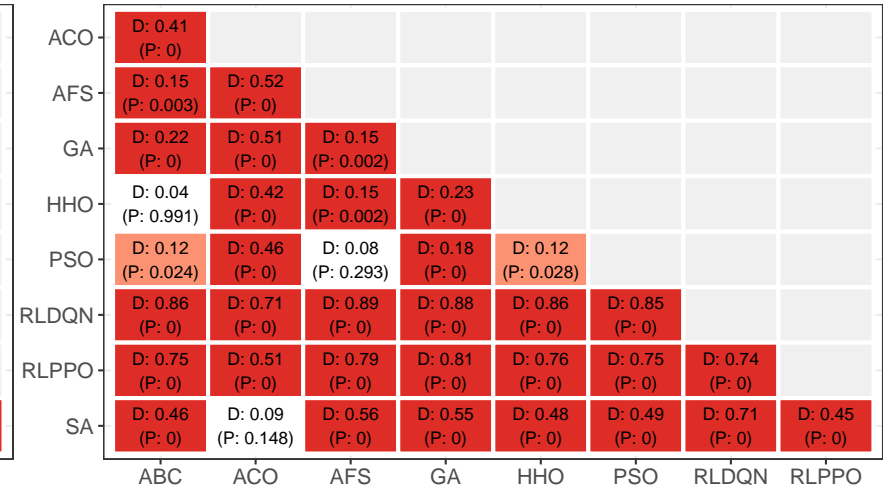
NS P < 0.05 P < 0.01

scenario\_2\_servers\_200\_services\_1\_application\_GENERIC



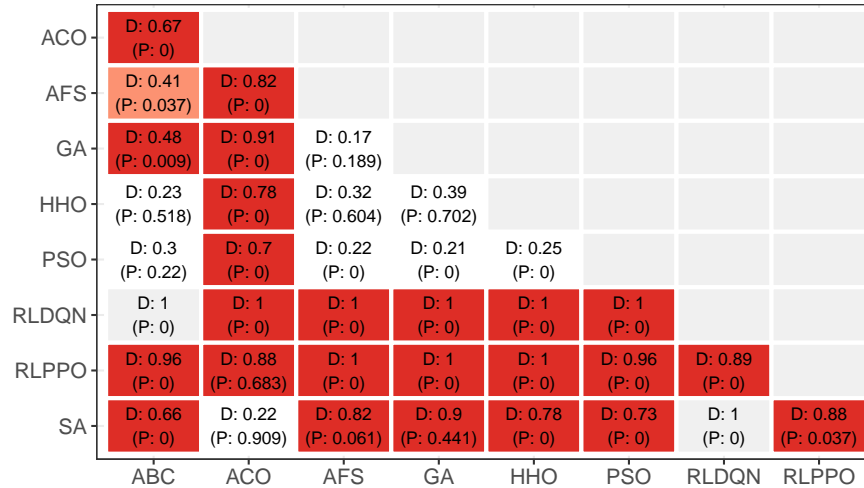
□ NS □ P < 0.05 ■ P < 0.01

scenario\_2\_servers\_200\_services\_1\_application\_LTS



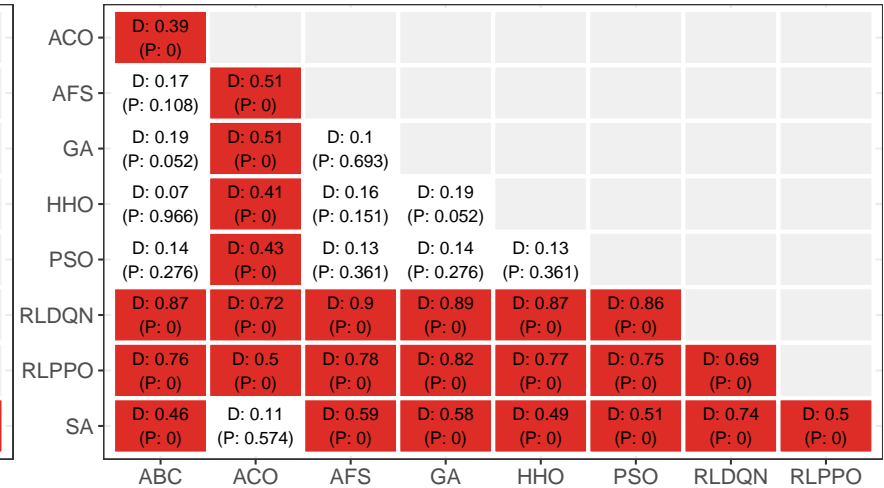
□ NS □ P < 0.05 ■ P < 0.01

scenario\_2\_servers\_200\_services\_1\_application\_MMA



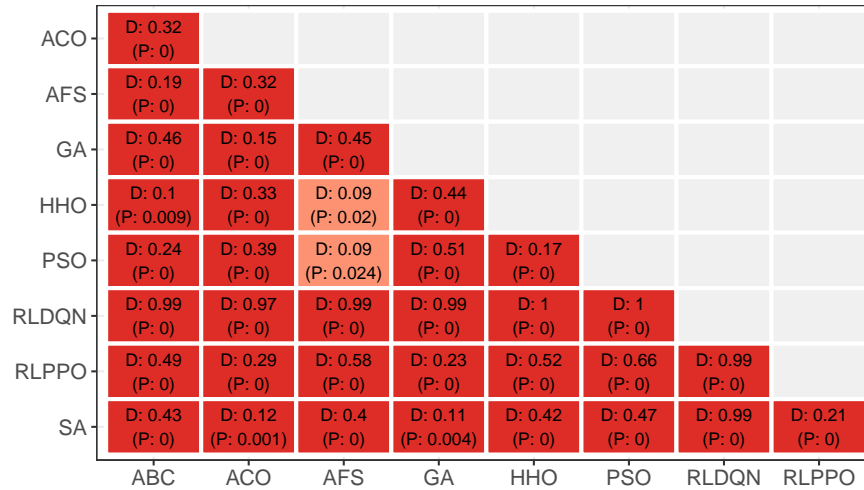
□ NS □ P < 0.05 ■ P < 0.01

scenario\_2\_servers\_200\_services\_1\_application\_PWD



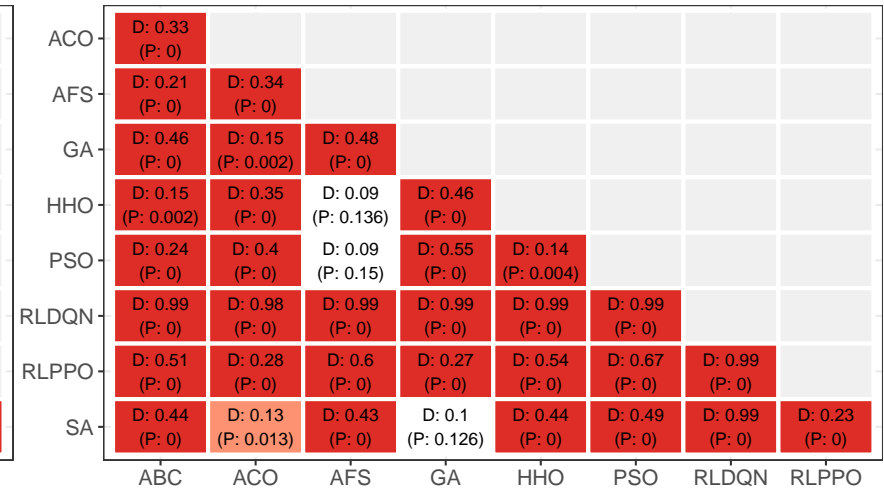
□ NS ■ P < 0.01

scenario\_2\_servers\_200\_services\_3\_application\_GENERIC



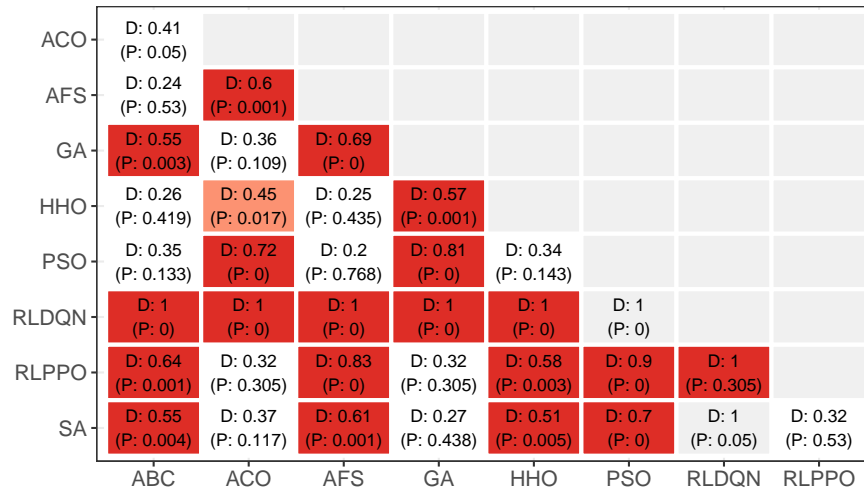
□ P < 0.05 □ P < 0.01

scenario\_2\_servers\_200\_services\_3\_application\_LTS



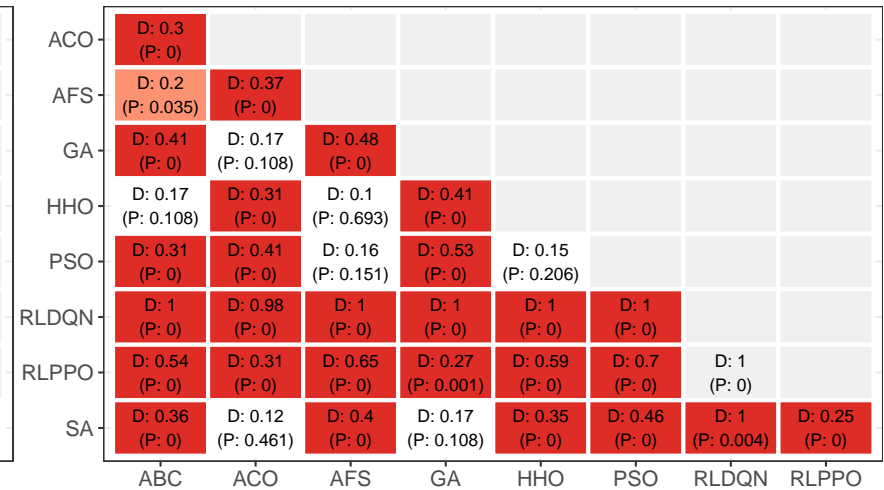
□ NS □ P < 0.05 □ P < 0.01

scenario\_2\_servers\_200\_services\_3\_application\_MMA



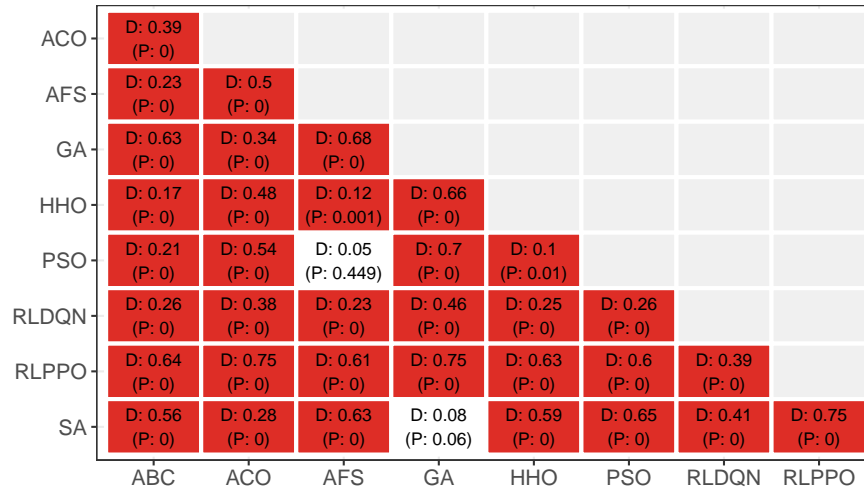
□ NS □ P < 0.05 □ P < 0.01

scenario\_2\_servers\_200\_services\_3\_application\_PWD



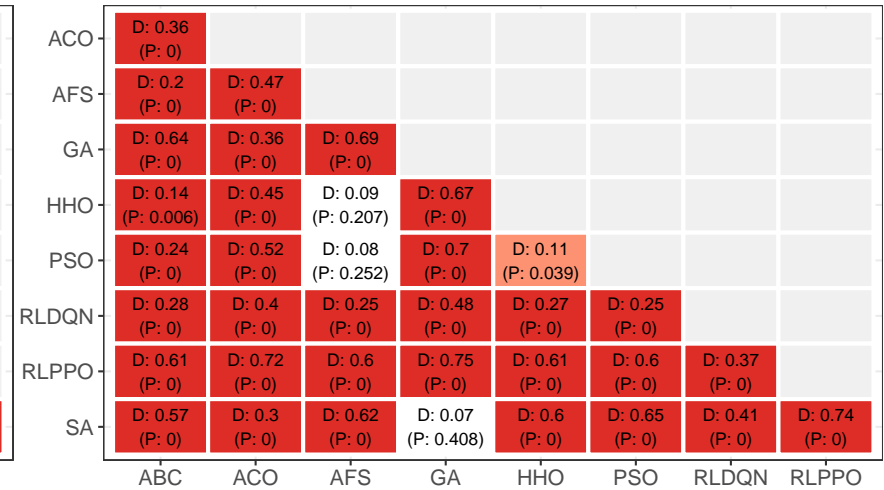
□ NS □ P < 0.05 □ P < 0.01

scenario\_2\_servers\_200\_services\_5\_application\_GENERIC



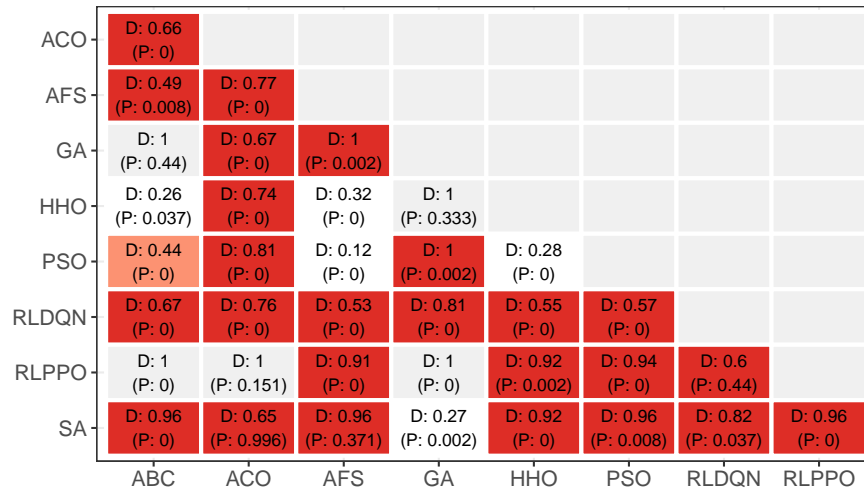
NS P < 0.01

scenario\_2\_servers\_200\_services\_5\_application\_LTS



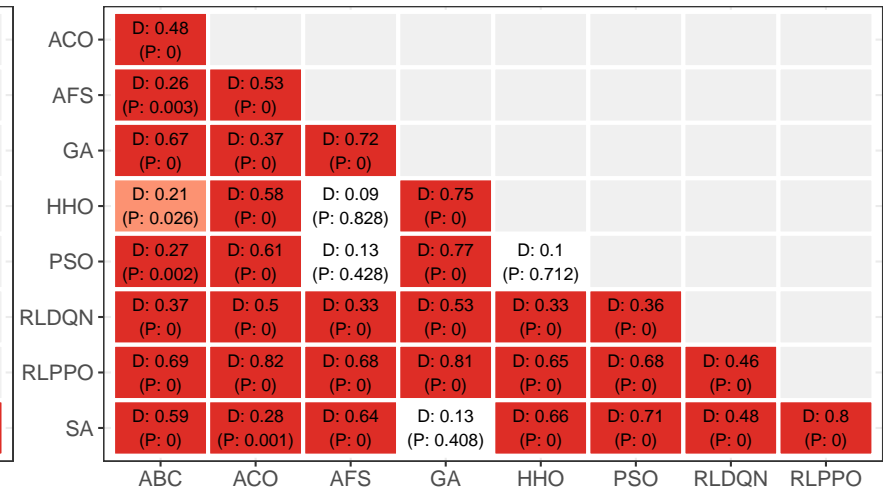
NS P < 0.05 P < 0.01

scenario\_2\_servers\_200\_services\_5\_application\_MMA



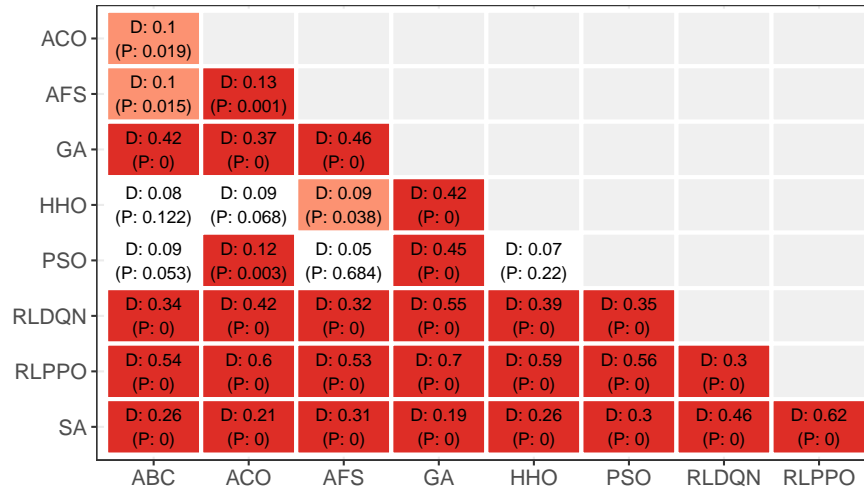
NS P < 0.05 P < 0.01

scenario\_2\_servers\_200\_services\_5\_application\_PWD



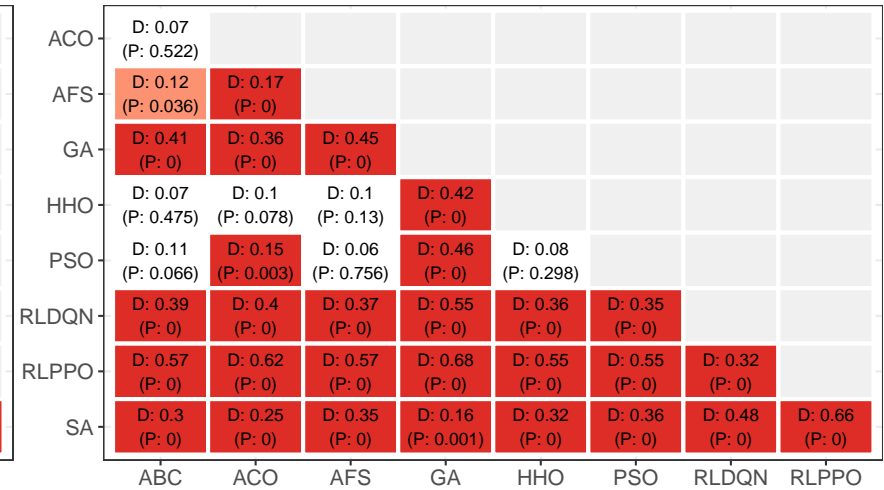
NS P < 0.05 P < 0.01

scenario\_2\_servers\_200\_services\_7\_application\_GENERIC



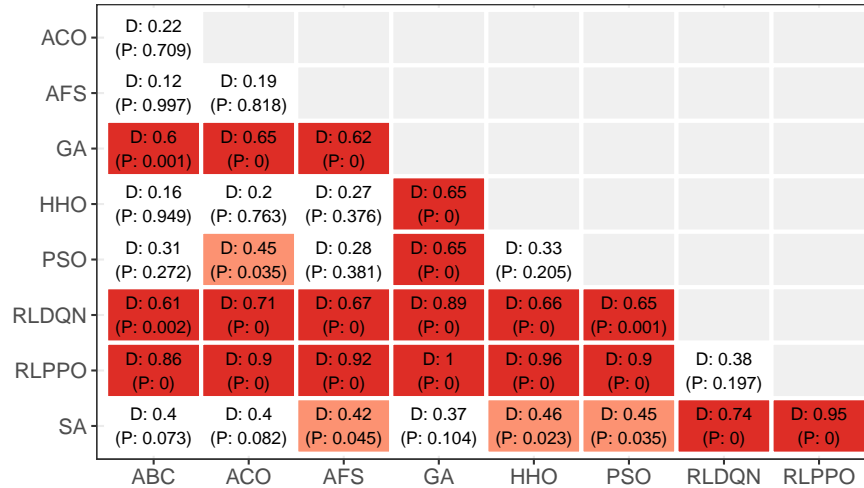
□ NS □ P < 0.05 ■ P < 0.01

scenario\_2\_servers\_200\_services\_7\_application\_LTS



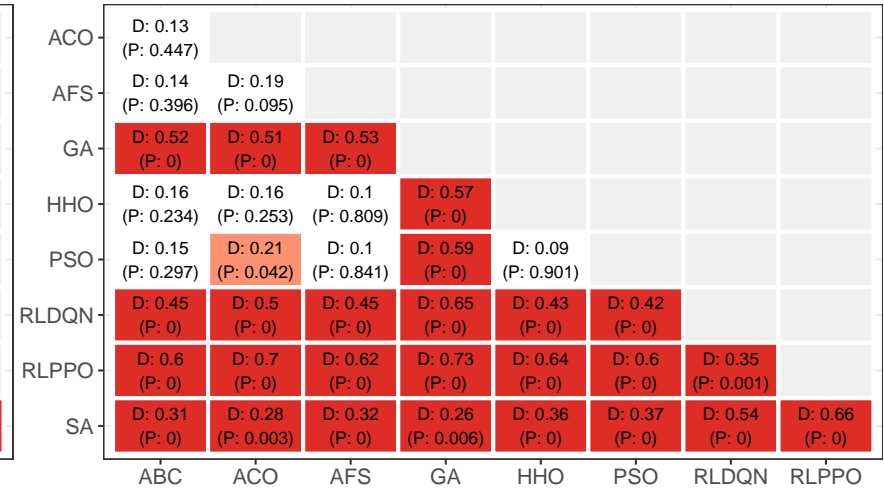
□ NS □ P < 0.05 ■ P < 0.01

scenario\_2\_servers\_200\_services\_7\_application\_MMA



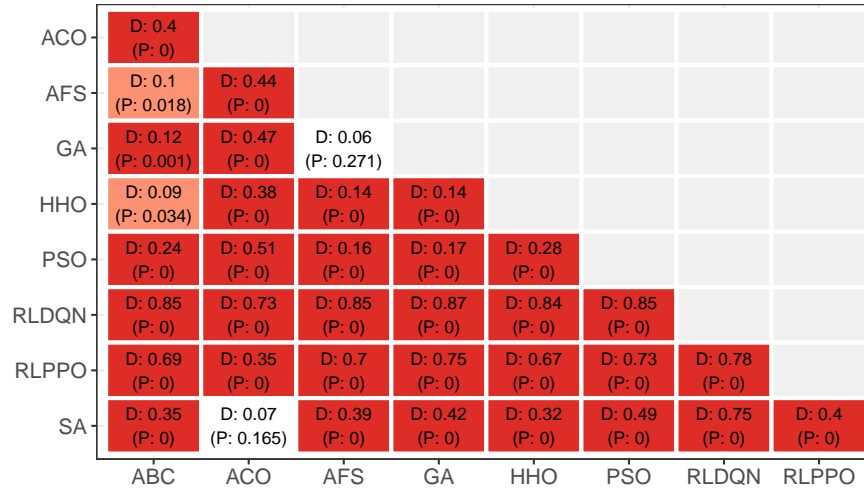
□ NS □ P < 0.05 ■ P < 0.01

scenario\_2\_servers\_200\_services\_7\_application\_PWD



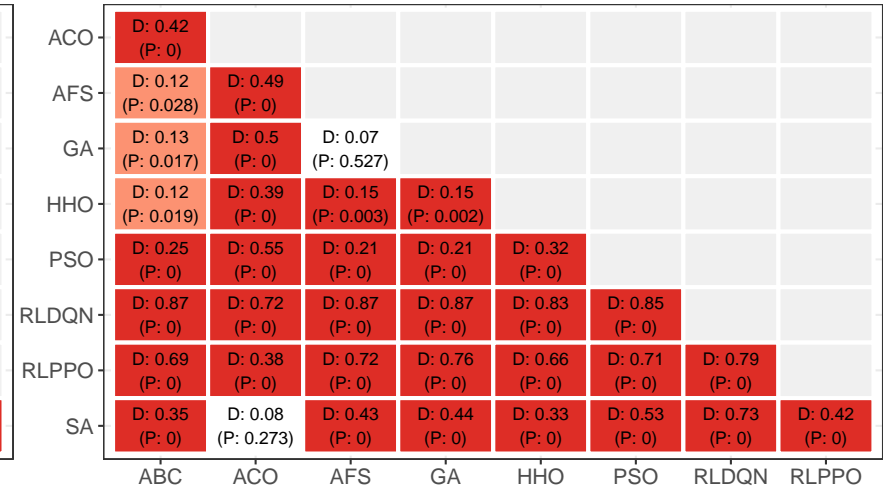
□ NS □ P < 0.05 ■ P < 0.01

scenario\_2\_servers\_300\_services\_1\_application\_GENERIC



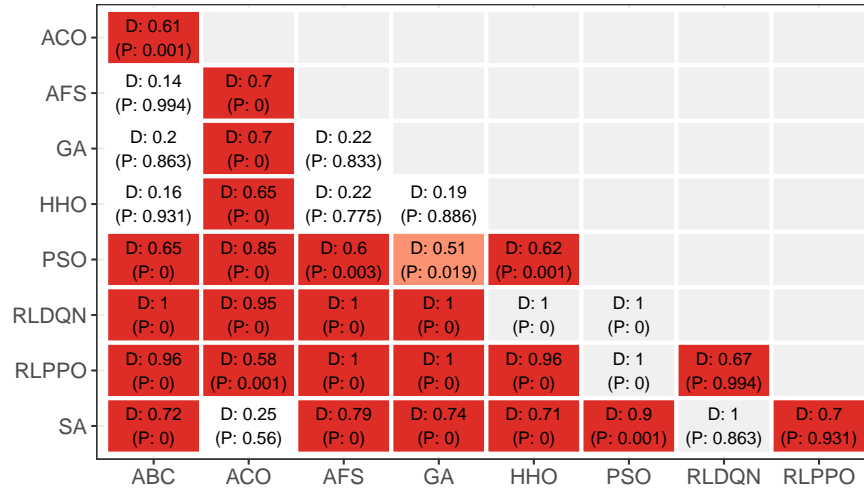
NS P < 0.05 P < 0.01

scenario\_2\_servers\_300\_services\_1\_application\_LTS



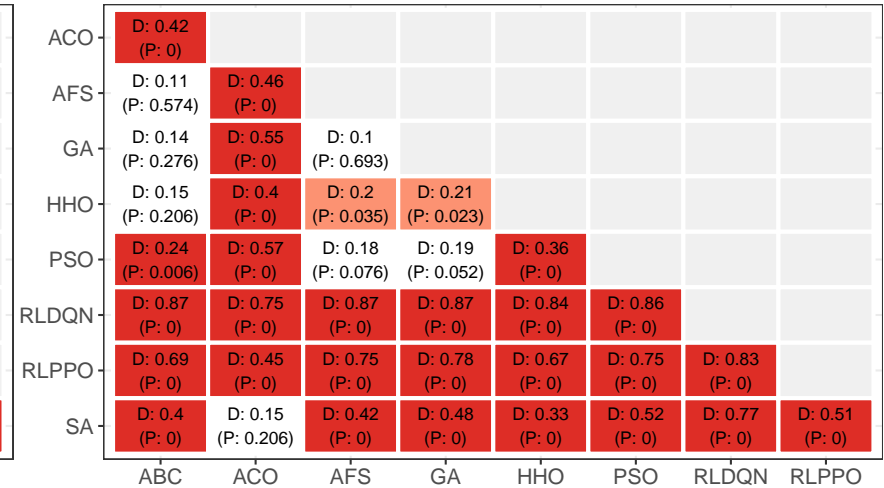
NS P < 0.05 P < 0.01

scenario\_2\_servers\_300\_services\_1\_application\_MMA



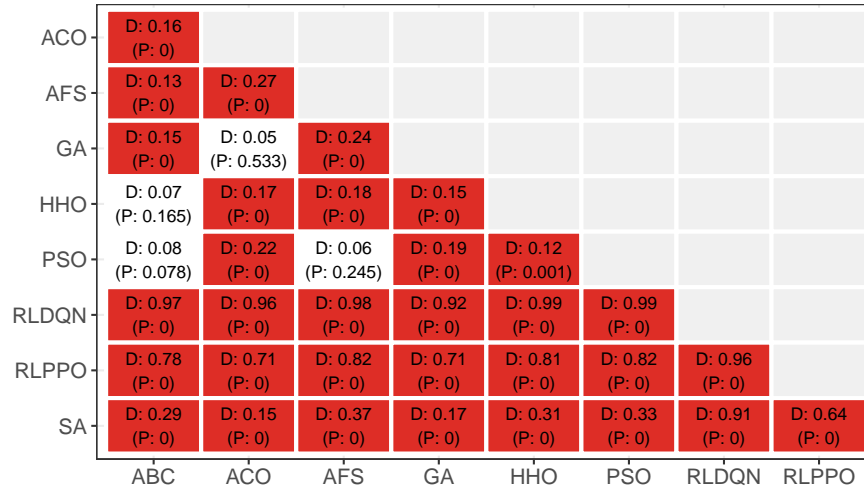
NS P < 0.05 P < 0.01

scenario\_2\_servers\_300\_services\_1\_application\_PWD



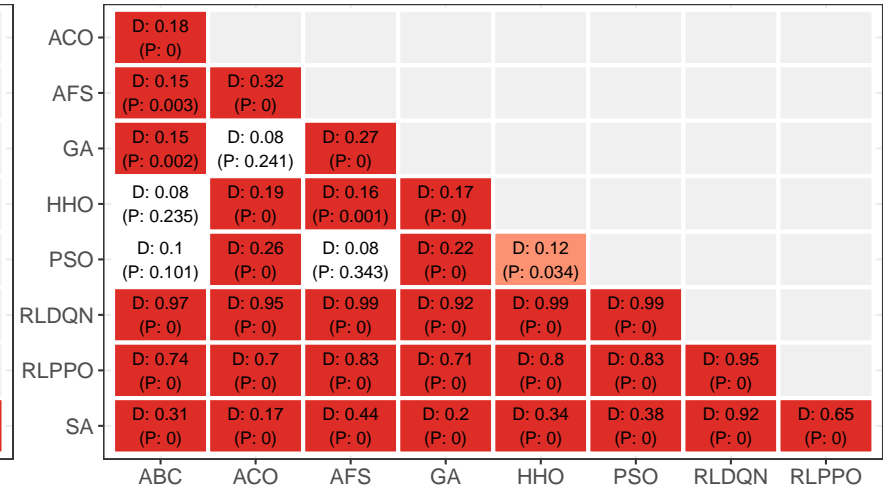
NS P < 0.05 P < 0.01

scenario\_2\_servers\_300\_services\_3\_application\_GENERIC



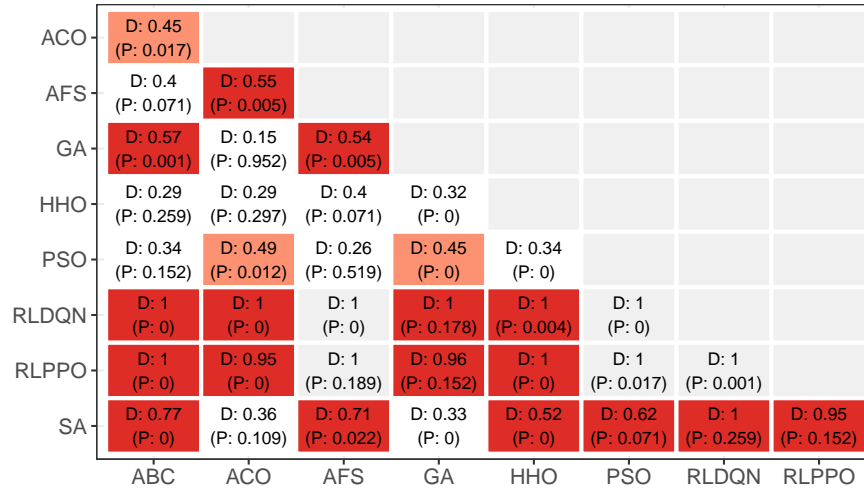
NS P < 0.01

scenario\_2\_servers\_300\_services\_3\_application\_LTS



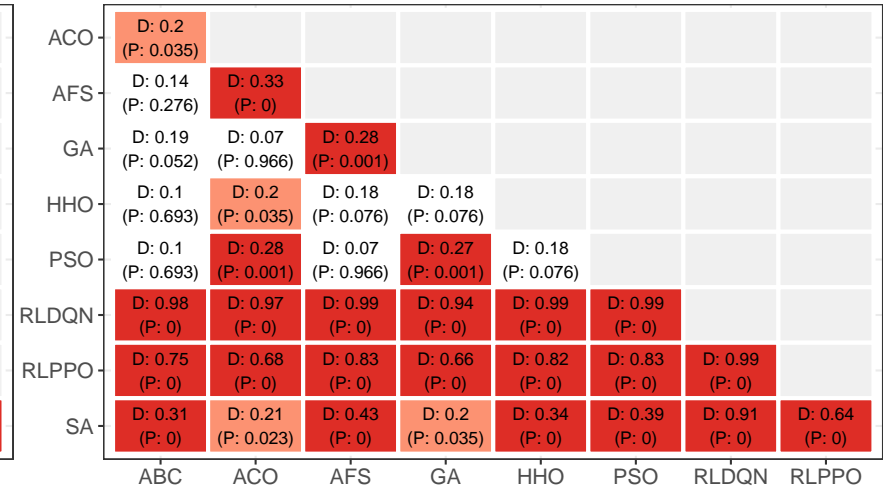
NS P < 0.05 P < 0.01

scenario\_2\_servers\_300\_services\_3\_application\_MMA



NS P < 0.05 P < 0.01

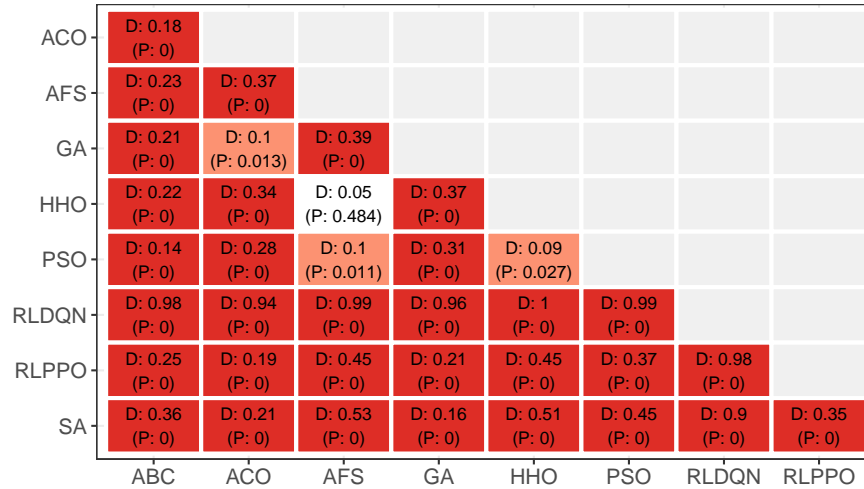
scenario\_2\_servers\_300\_services\_3\_application\_PWD



NS P < 0.05 P < 0.01

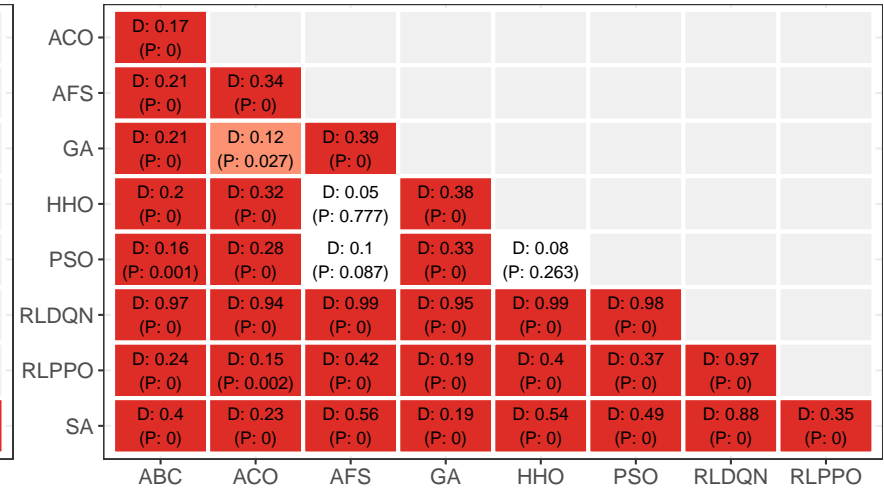


scenario\_2\_servers\_300\_services\_5\_application\_GENERIC



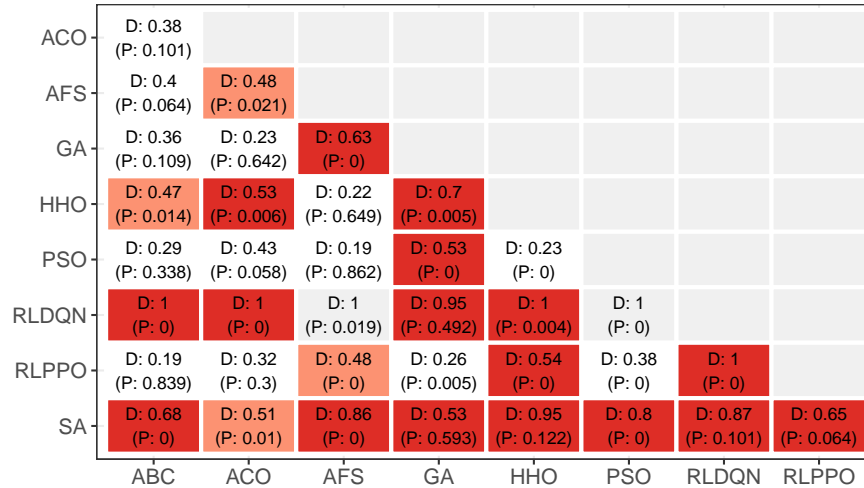
NS P < 0.05 P < 0.01

scenario\_2\_servers\_300\_services\_5\_application\_LTS



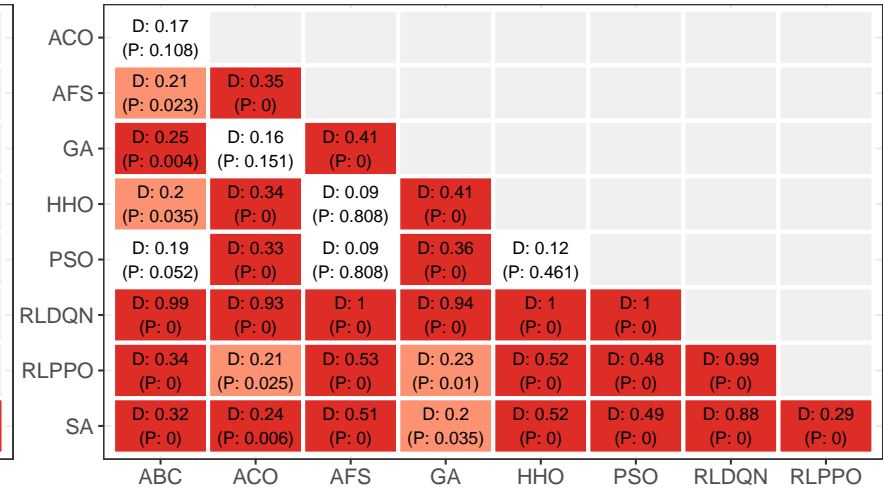
NS P < 0.05 P < 0.01

scenario\_2\_servers\_300\_services\_5\_application\_MMA



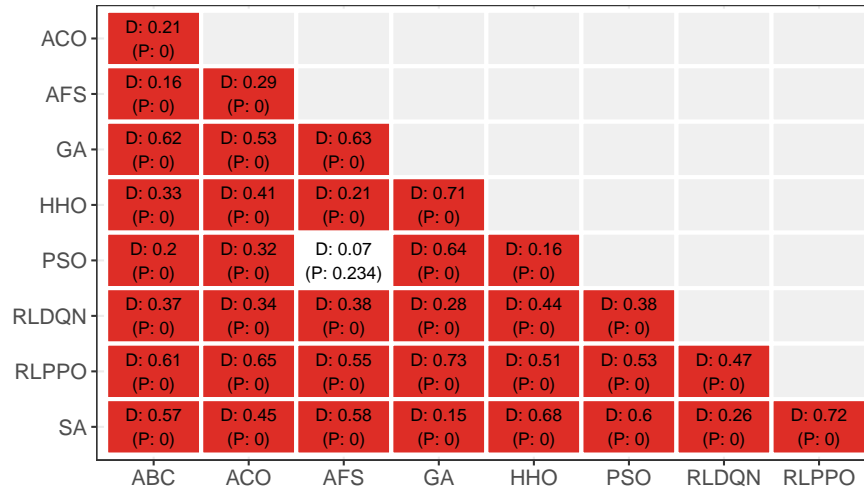
NS P < 0.05 P < 0.01

scenario\_2\_servers\_300\_services\_5\_application\_PWD



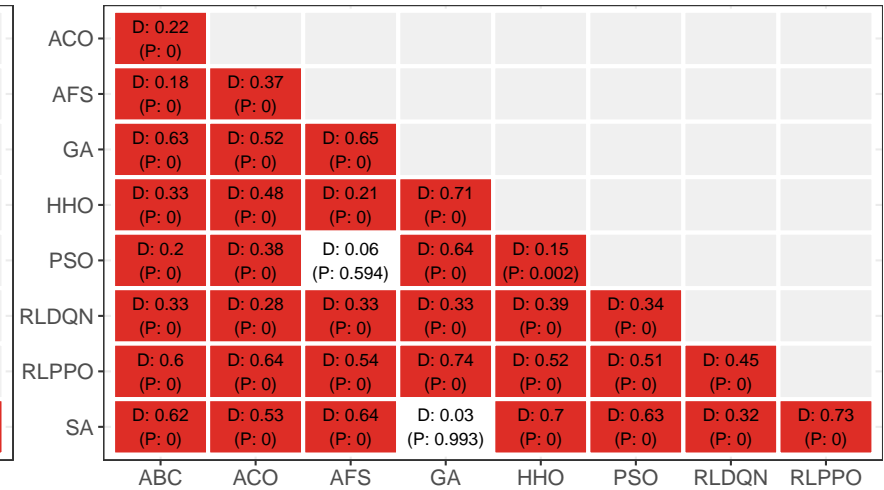
NS P < 0.05 P < 0.01

scenario\_2\_servers\_300\_services\_7\_application\_GENERIC



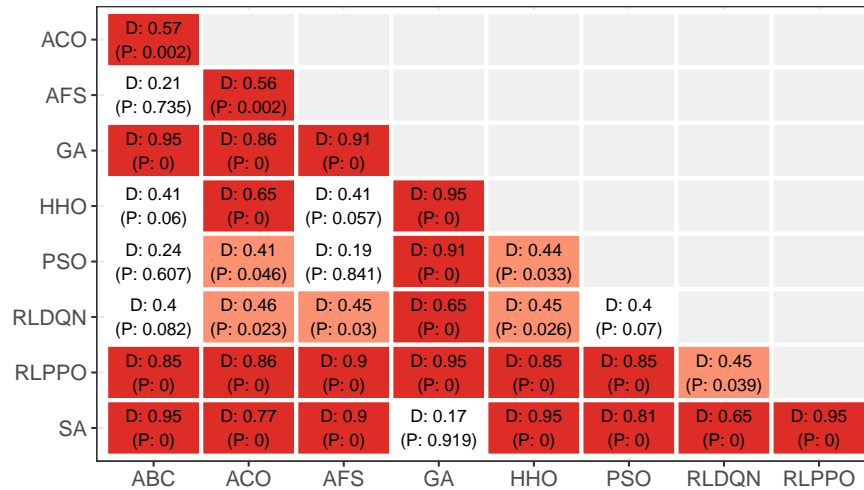
NS P < 0.01

scenario\_2\_servers\_300\_services\_7\_application\_LTS



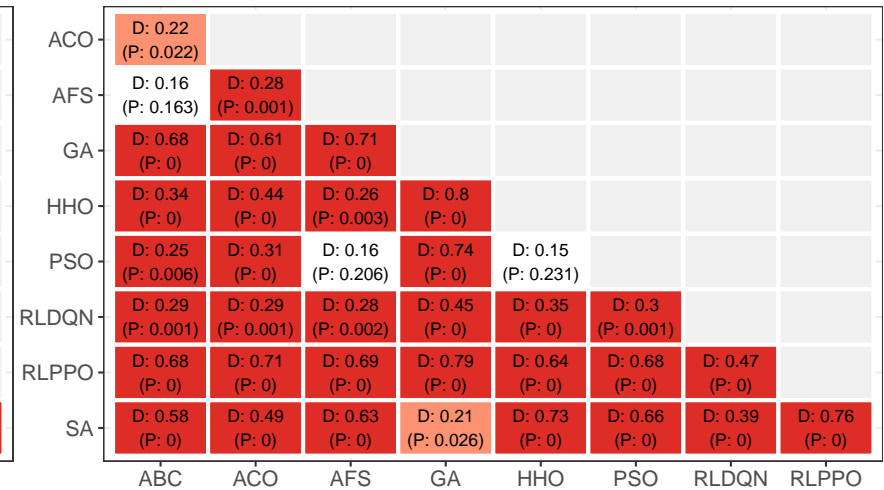
NS P < 0.01

scenario\_2\_servers\_300\_services\_7\_application\_MMA



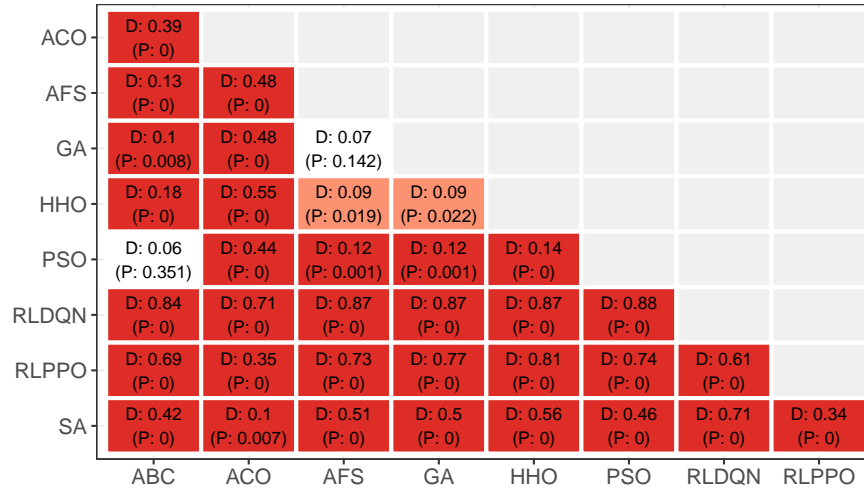
NS P < 0.05 P < 0.01

scenario\_2\_servers\_300\_services\_7\_application\_PWD



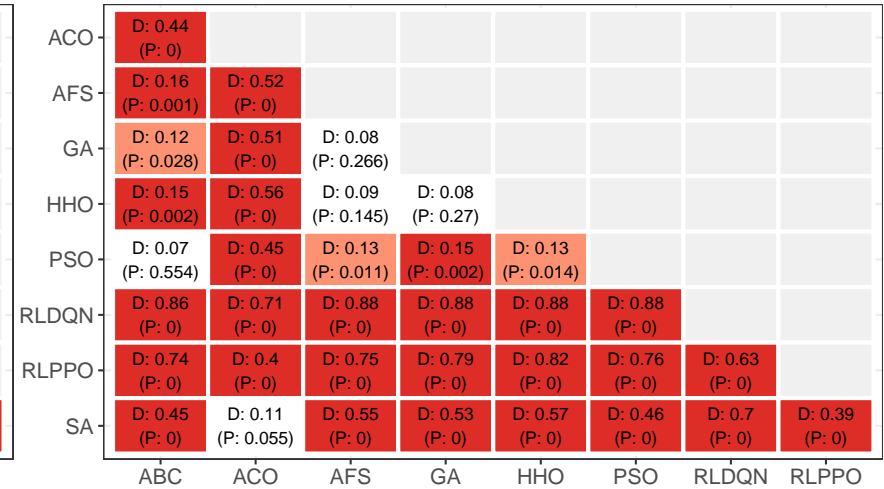
NS P < 0.05 P < 0.01

scenario\_2\_servers\_400\_services\_1\_application\_GENERIC



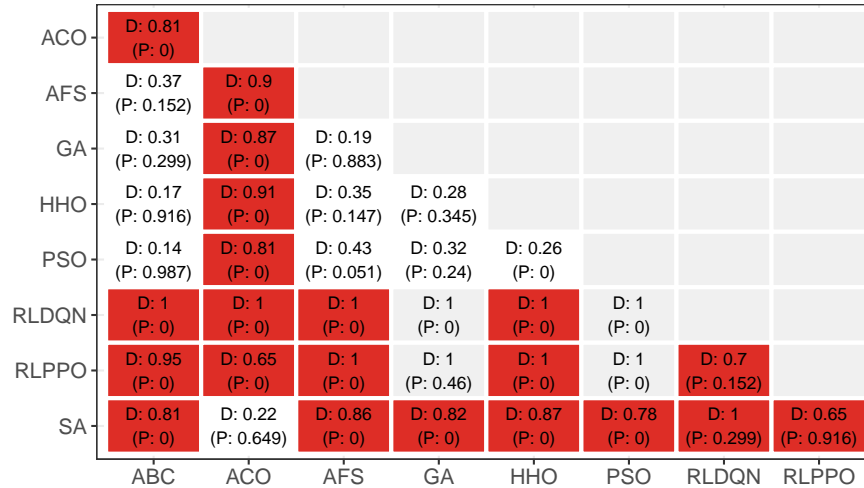
NS P < 0.05 P < 0.01

scenario\_2\_servers\_400\_services\_1\_application\_LTS



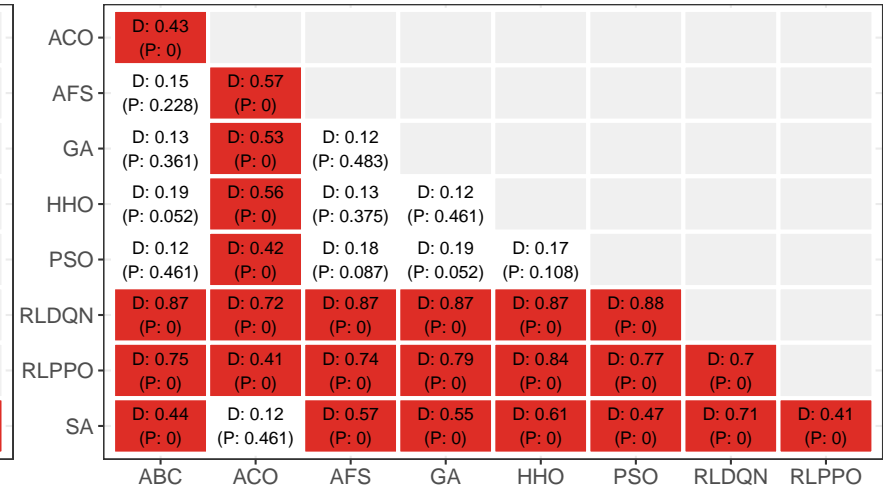
NS P < 0.05 P < 0.01

scenario\_2\_servers\_400\_services\_1\_application\_MMA



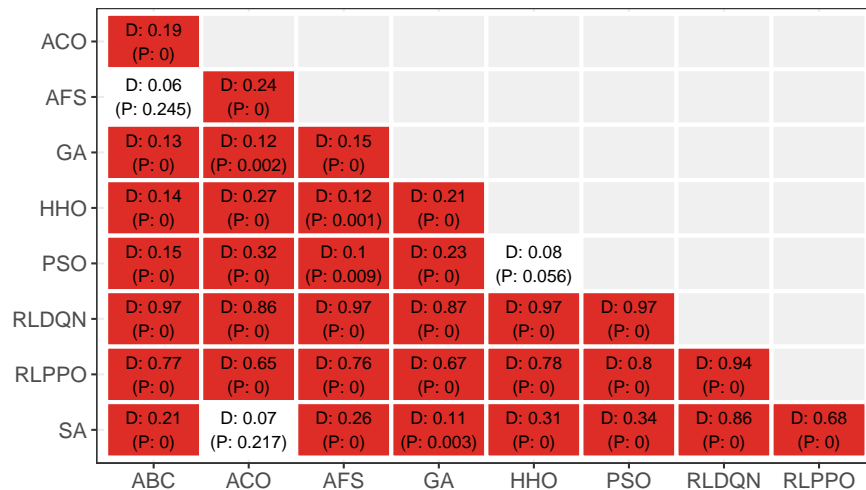
NS P < 0.01

scenario\_2\_servers\_400\_services\_1\_application\_PWD



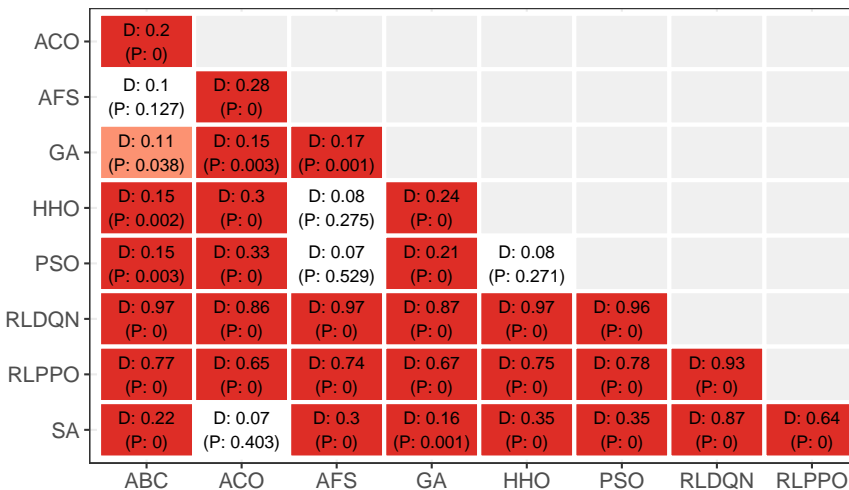
NS P < 0.01

scenario\_2\_servers\_400\_services\_3\_application\_GENERIC



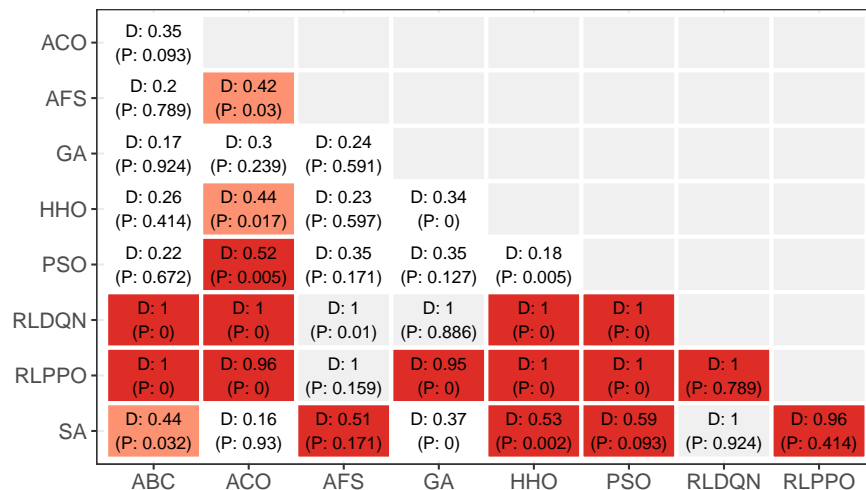
NS P < 0.01

scenario\_2\_servers\_400\_services\_3\_application\_LTS



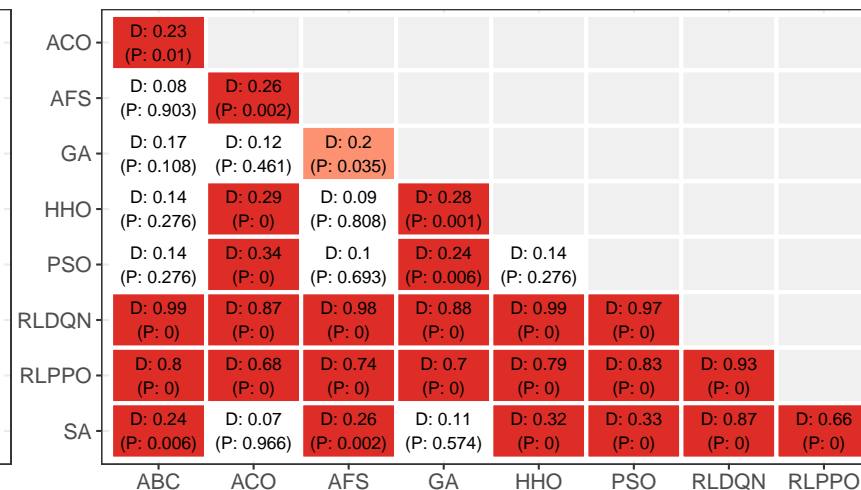
NS P < 0.05 P < 0.01

scenario\_2\_servers\_400\_services\_3\_application\_MMA



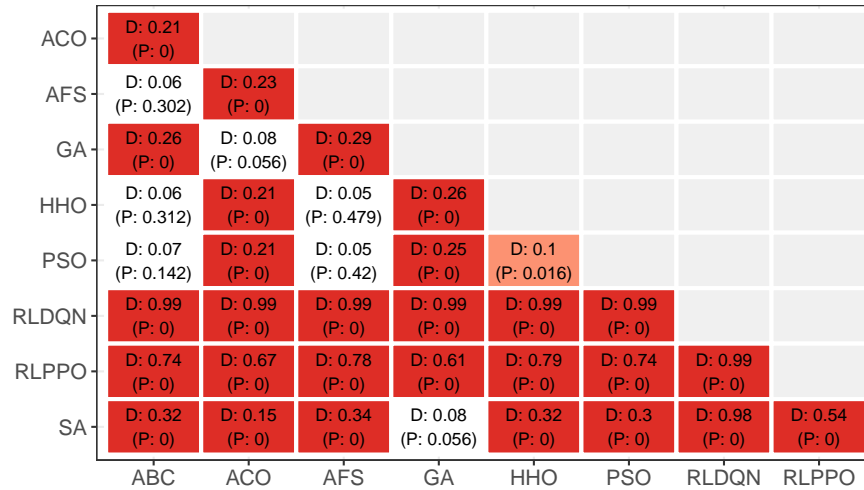
NS P < 0.05 P < 0.01

scenario\_2\_servers\_400\_services\_3\_application\_PWD



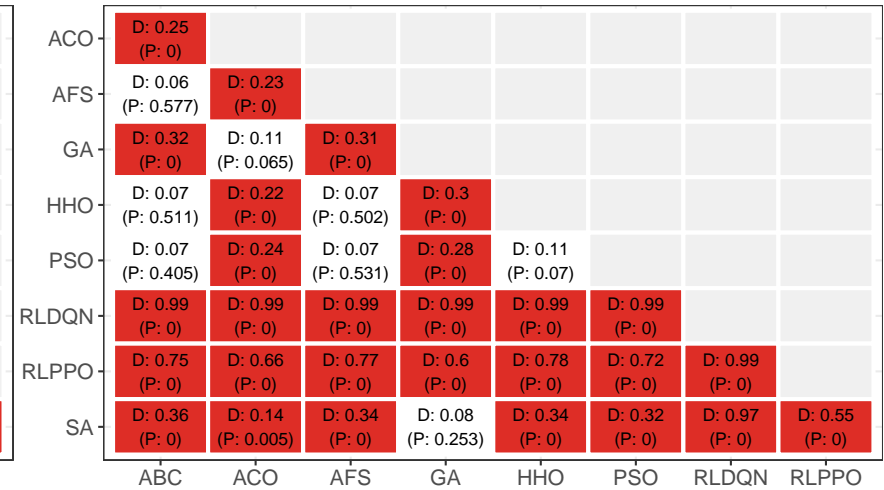
NS P < 0.05 P < 0.01

scenario\_2\_servers\_400\_services\_5\_application\_GENERIC



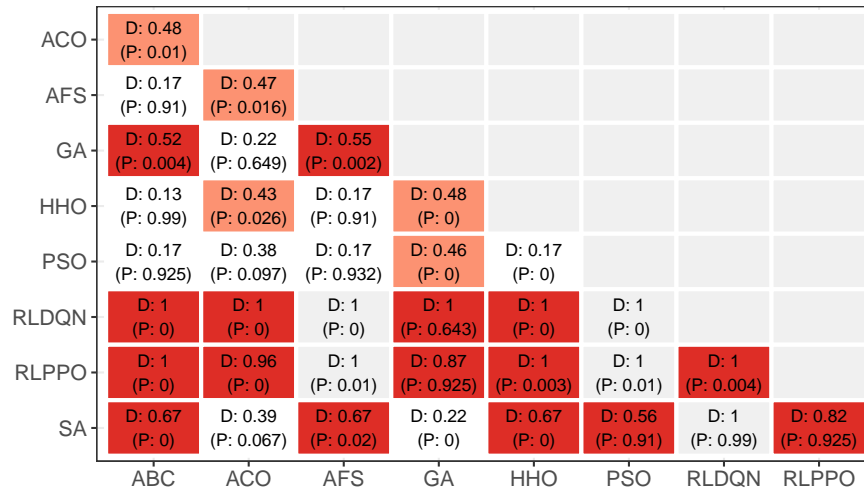
NS
  P < 0.05
  P < 0.01

scenario\_2\_servers\_400\_services\_5\_application\_LTS



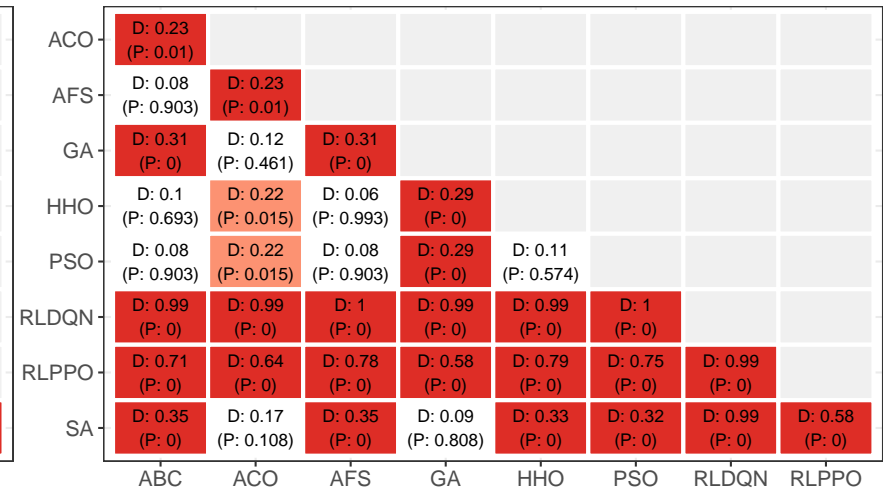
NS
  P < 0.01

scenario\_2\_servers\_400\_services\_5\_application\_MMA



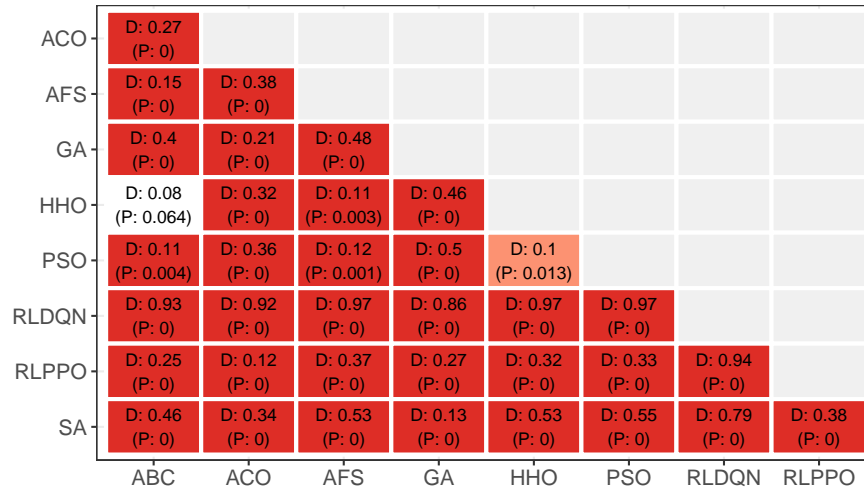
NS
  P < 0.05
  P < 0.01

scenario\_2\_servers\_400\_services\_5\_application\_PWD



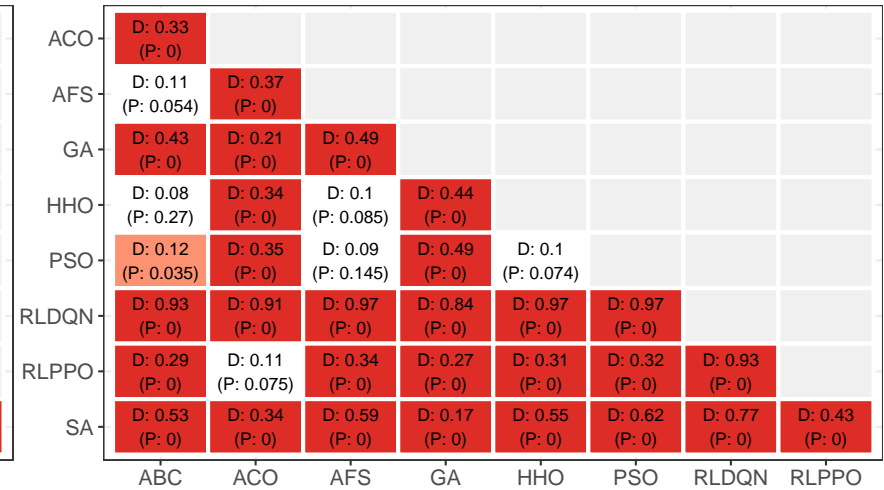
NS
  P < 0.05
  P < 0.01

scenario\_2\_servers\_400\_services\_7\_application\_GENERIC



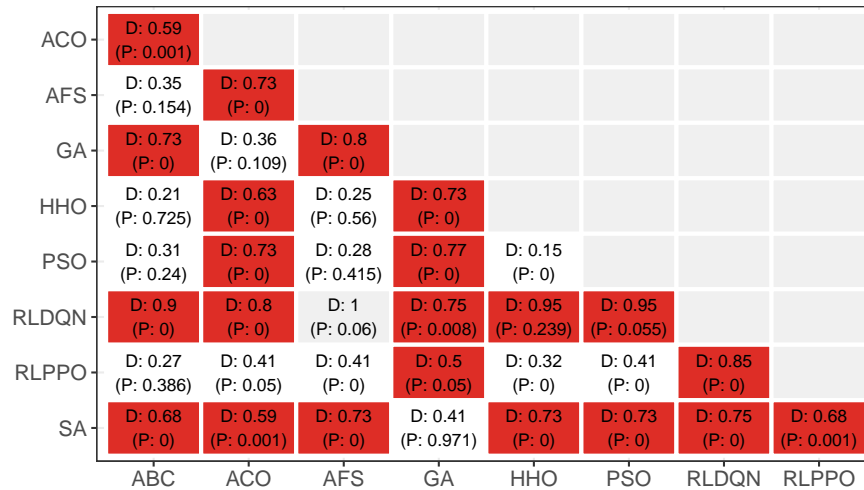
□ NS □ P < 0.05 ■ P < 0.01

scenario\_2\_servers\_400\_services\_7\_application\_LTS



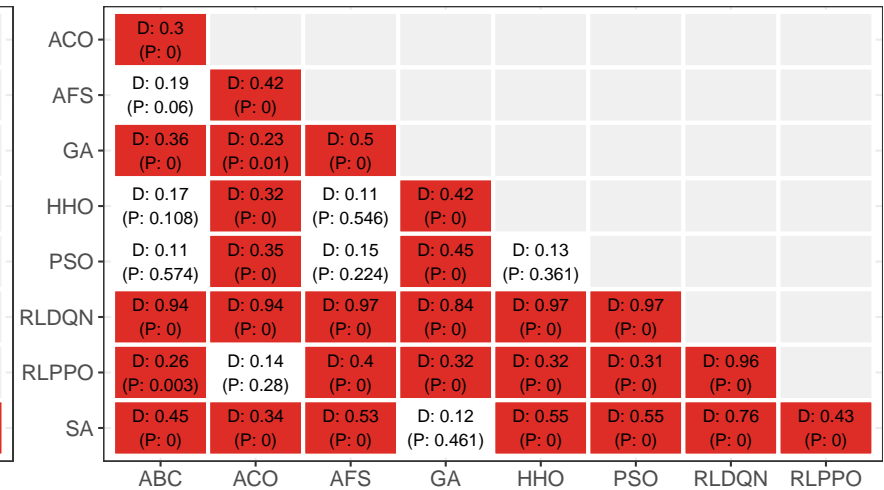
□ NS □ P < 0.05 ■ P < 0.01

scenario\_2\_servers\_400\_services\_7\_application\_MMA



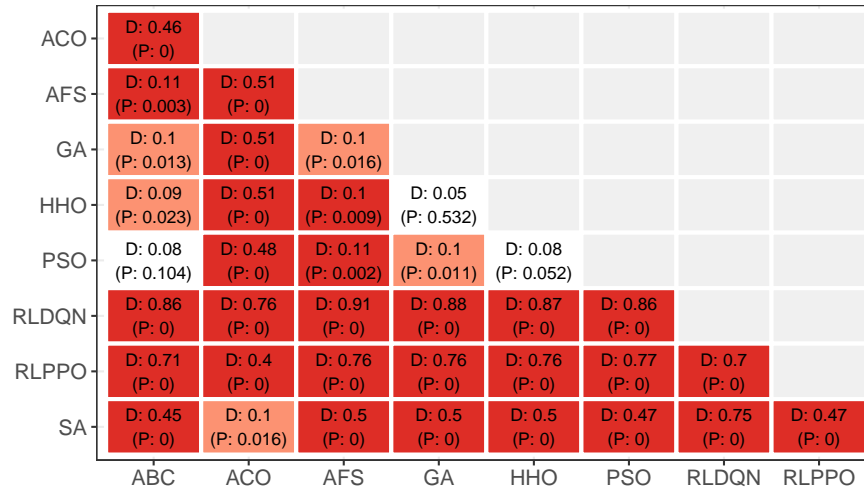
□ NS ■ P < 0.01

scenario\_2\_servers\_400\_services\_7\_application\_PWD



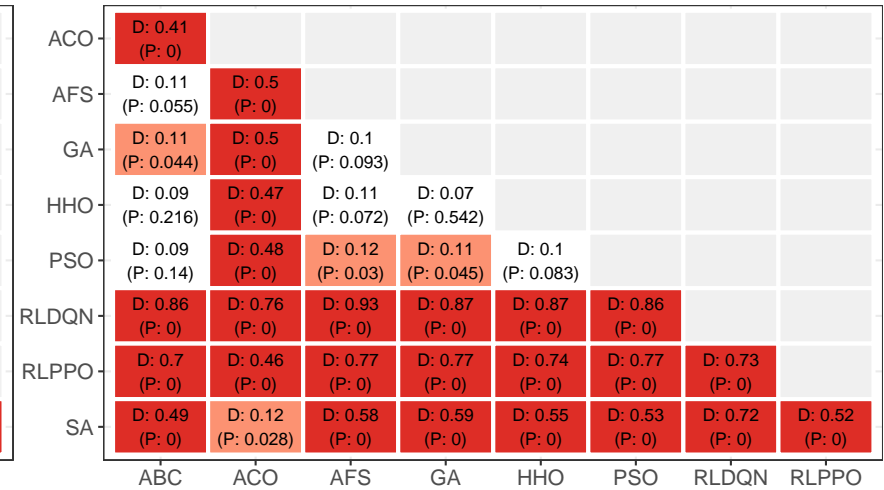
□ NS ■ P < 0.01

scenario\_2\_servers\_500\_services\_1\_application\_GENERIC



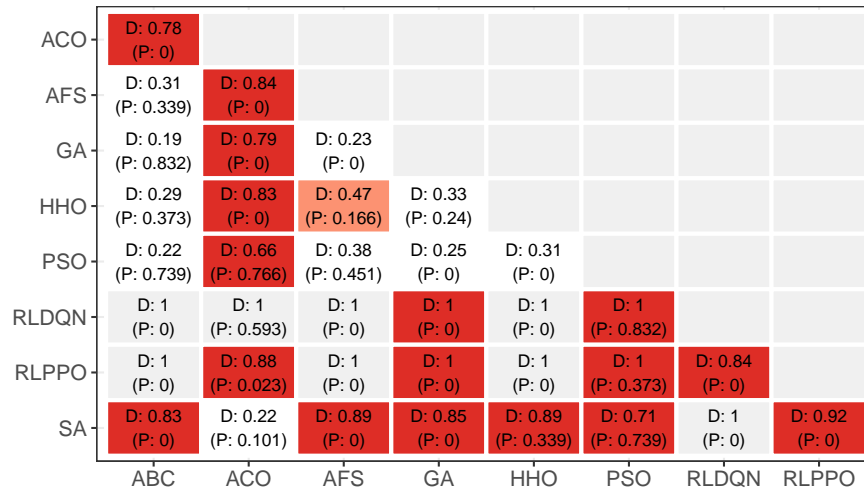
NS P < 0.05 P < 0.01

scenario\_2\_servers\_500\_services\_1\_application\_LTS



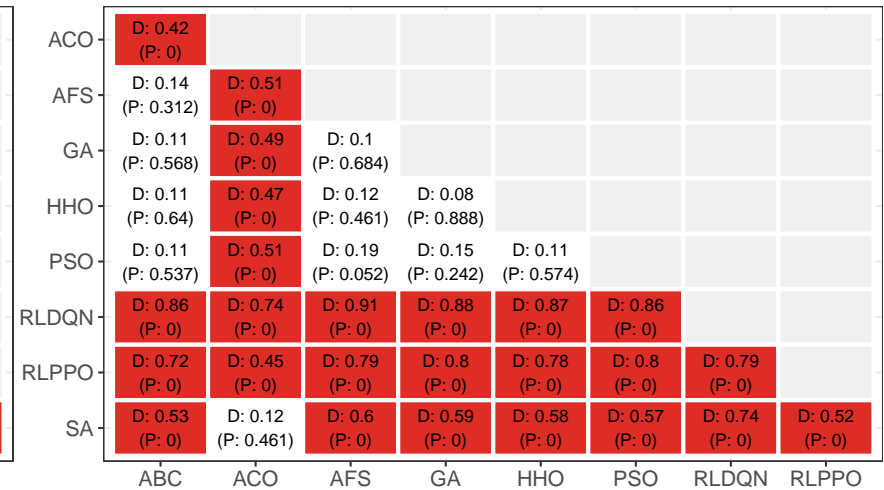
NS P < 0.05 P < 0.01

scenario\_2\_servers\_500\_services\_1\_application\_MMA



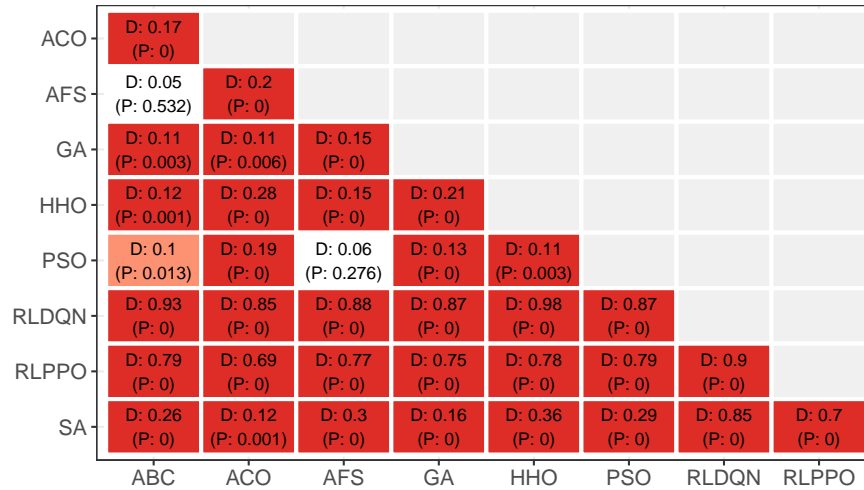
NS P < 0.05 P < 0.01

scenario\_2\_servers\_500\_services\_1\_application\_PWD



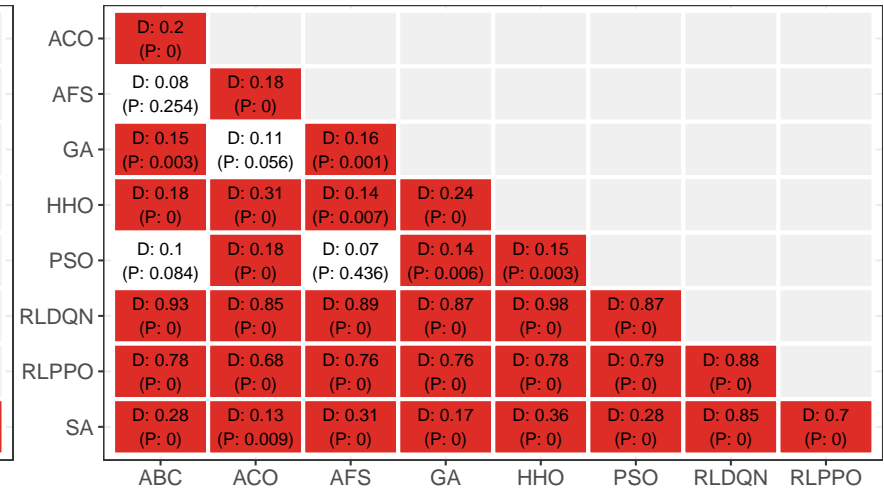
NS P < 0.01

scenario\_2\_servers\_500\_services\_3\_application\_GENERIC



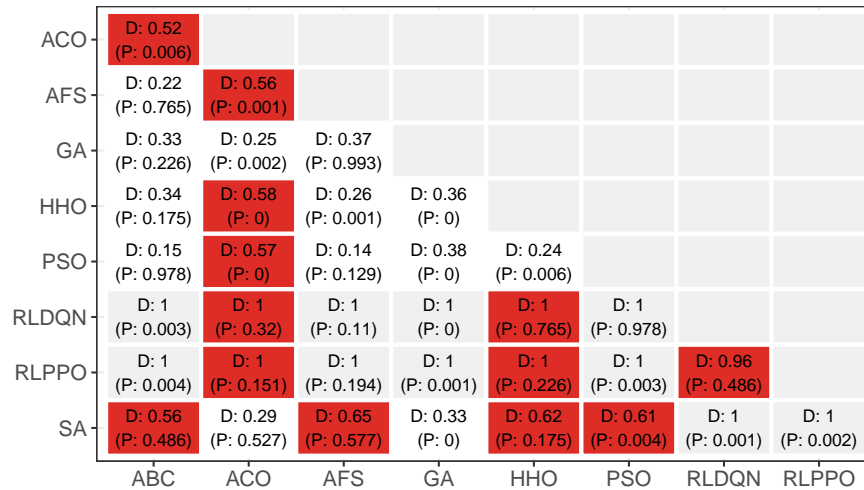
□ NS □ P < 0.05 ■ P < 0.01

scenario\_2\_servers\_500\_services\_3\_application\_LTS



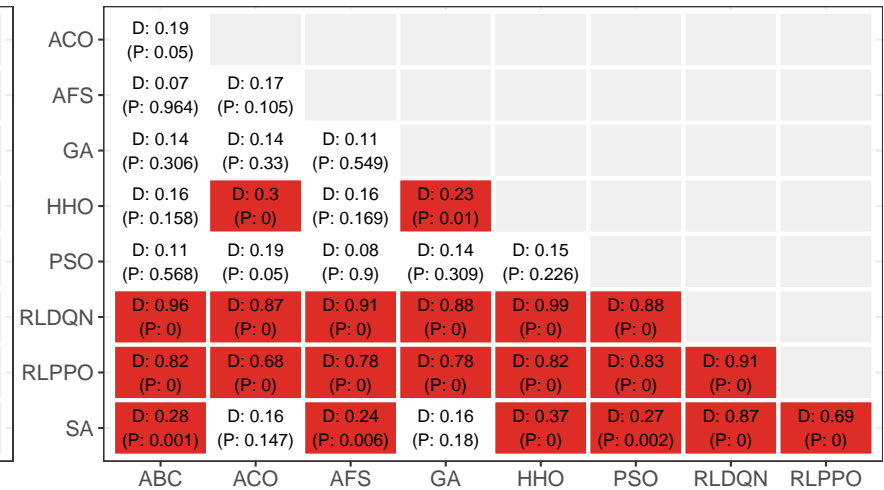
□ NS ■ P < 0.01

scenario\_2\_servers\_500\_services\_3\_application\_MMA



□ NS ■ P < 0.01

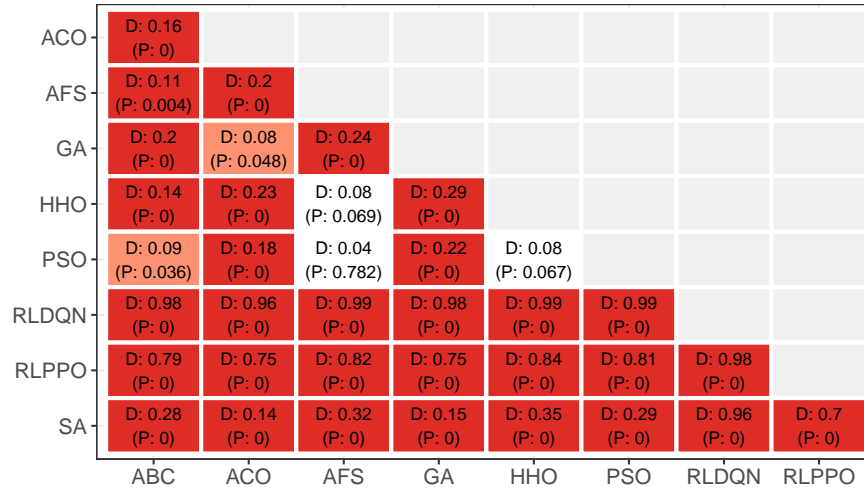
scenario\_2\_servers\_500\_services\_3\_application\_PWD



□ NS ■ P < 0.01

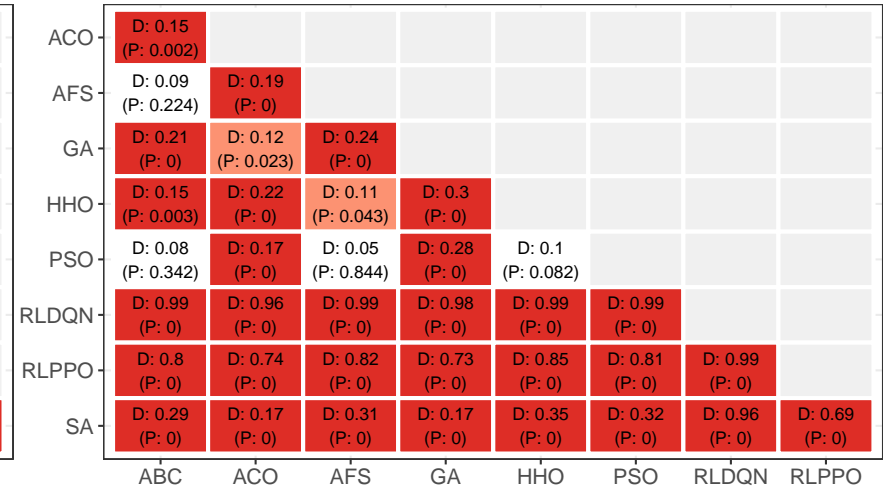


scenario\_2\_servers\_500\_services\_5\_application\_GENERIC



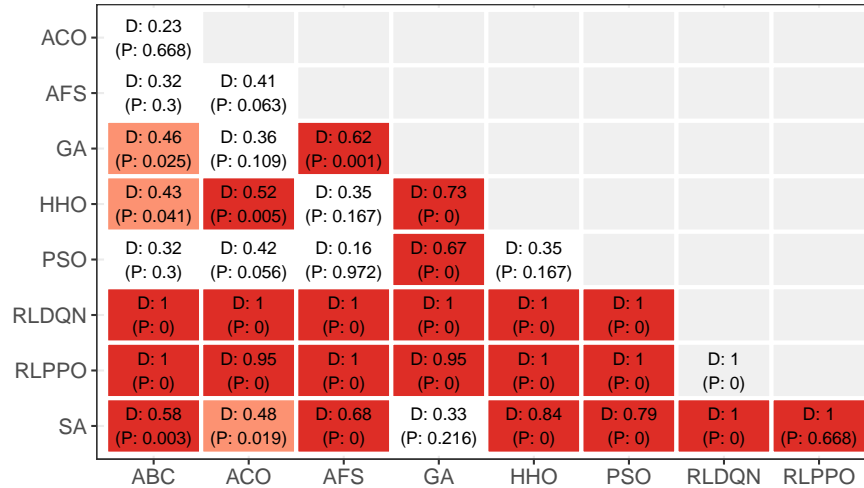
NS P < 0.05 P < 0.01

scenario\_2\_servers\_500\_services\_5\_application\_LTS



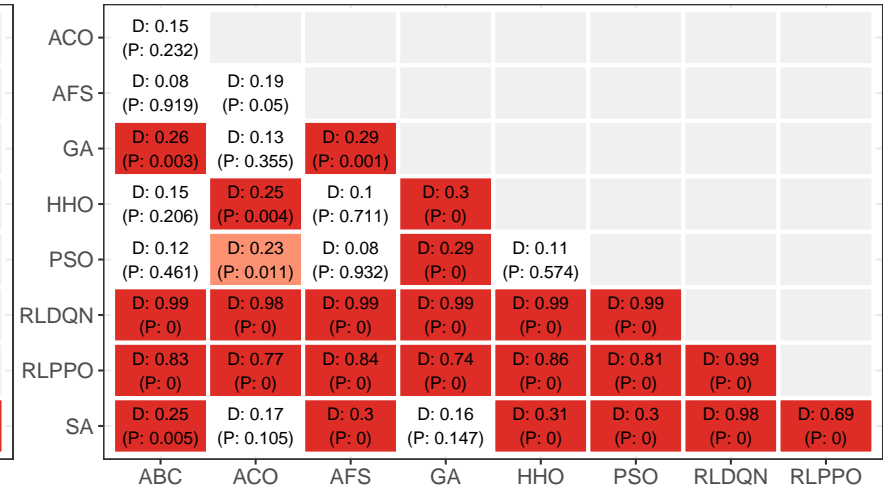
NS P < 0.05 P < 0.01

scenario\_2\_servers\_500\_services\_5\_application\_MMA



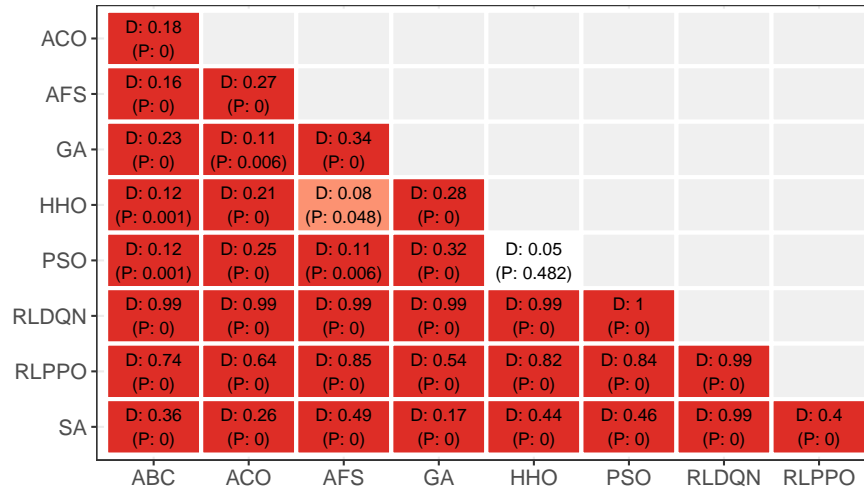
NS P < 0.05 P < 0.01

scenario\_2\_servers\_500\_services\_5\_application\_PWD



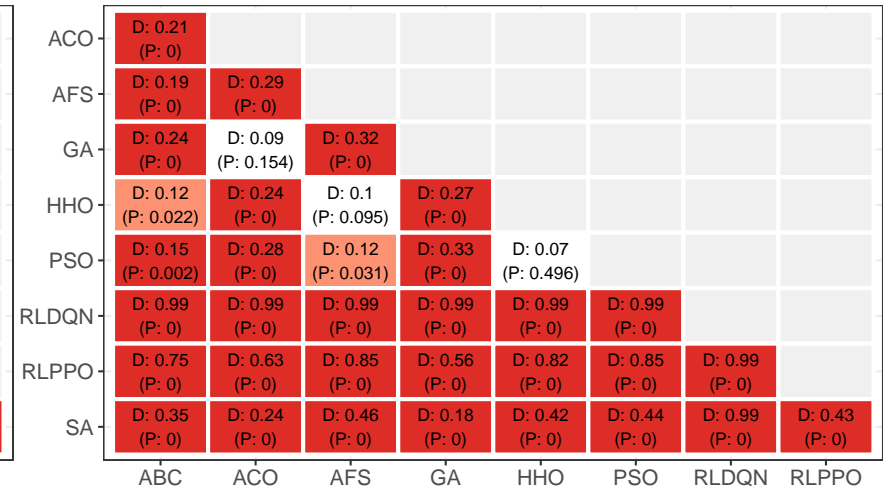
NS P < 0.05 P < 0.01

scenario\_2\_servers\_500\_services\_7\_application\_GENERIC



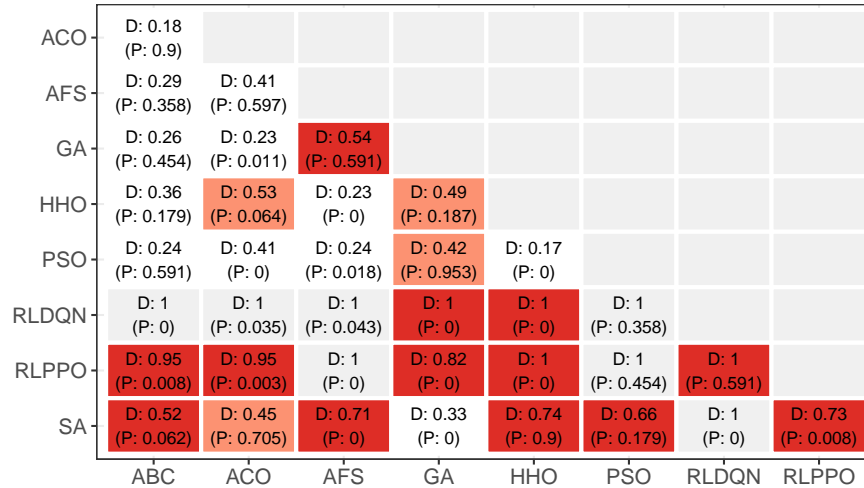
NS P < 0.05 P < 0.01

scenario\_2\_servers\_500\_services\_7\_application\_LTS



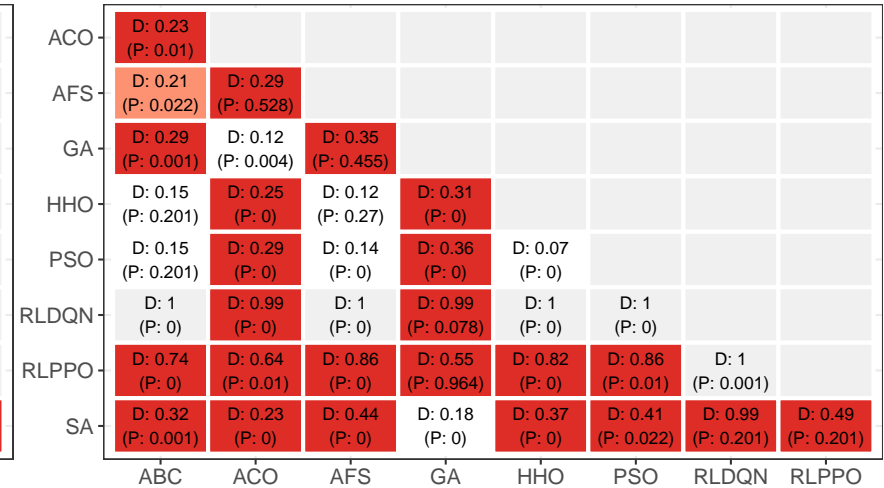
NS P < 0.05 P < 0.01

scenario\_2\_servers\_500\_services\_7\_application\_MMA



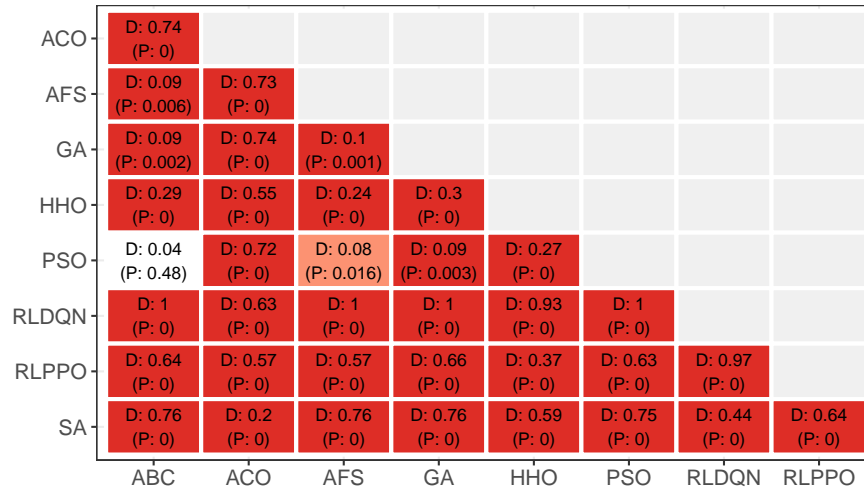
NS P < 0.05 P < 0.01

scenario\_2\_servers\_500\_services\_7\_application\_PWD



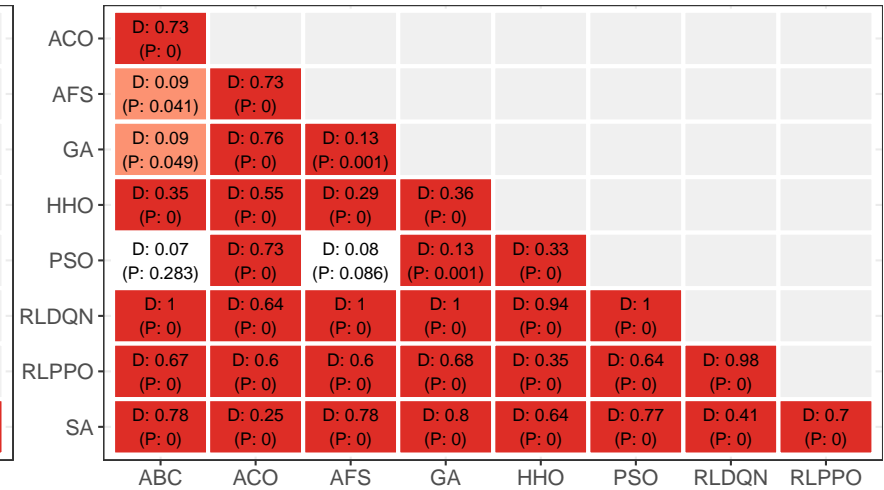
NS P < 0.05 P < 0.01

scenario\_3\_servers\_100\_services\_1\_application\_GENERIC



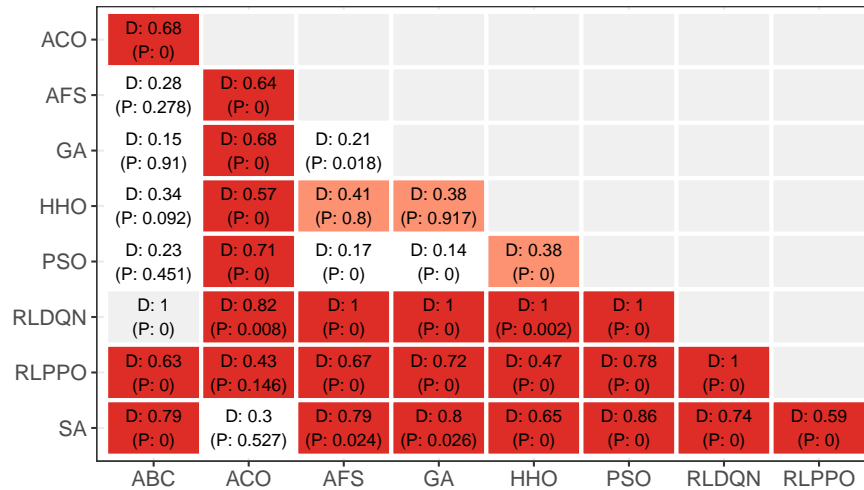
□ NS □ P < 0.05 ■ P < 0.01

scenario\_3\_servers\_100\_services\_1\_application\_LTS



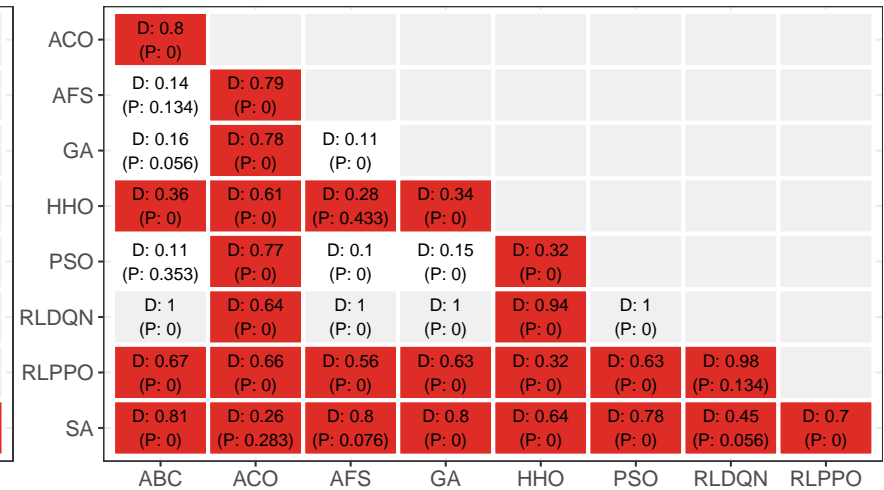
□ NS □ P < 0.05 ■ P < 0.01

scenario\_3\_servers\_100\_services\_1\_application\_MMA



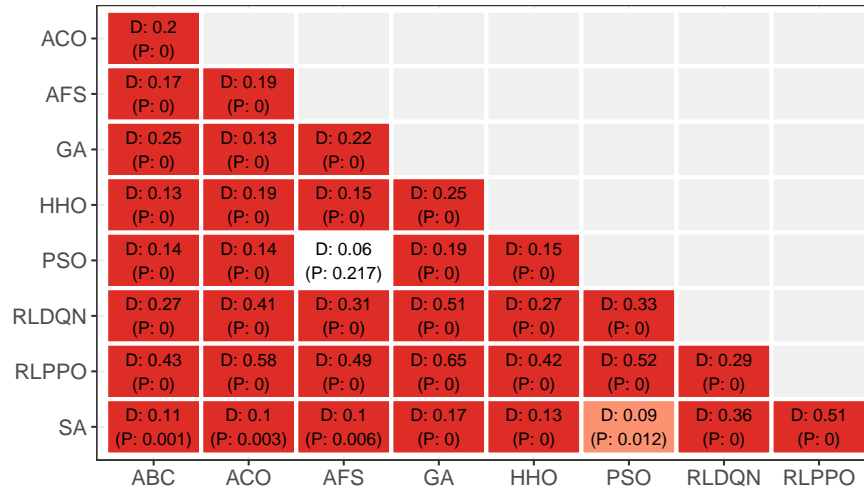
□ NS □ P < 0.05 ■ P < 0.01

scenario\_3\_servers\_100\_services\_1\_application\_PWD



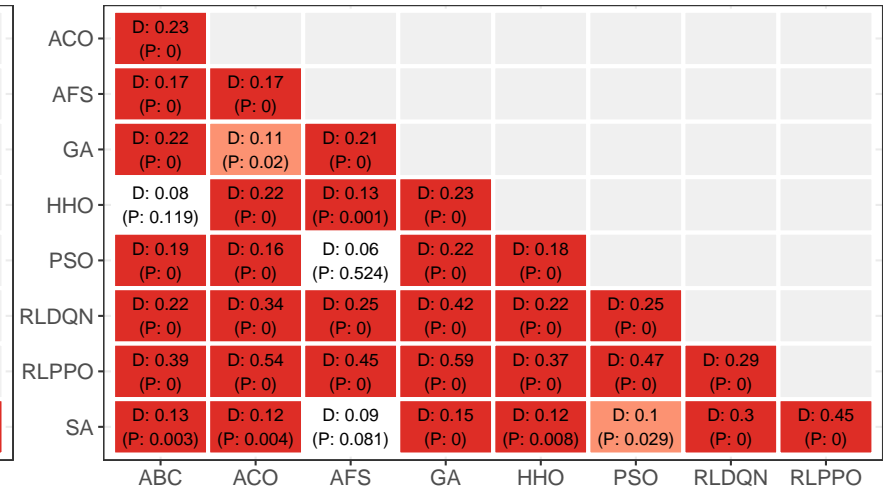
□ NS ■ P < 0.01

scenario\_3\_servers\_100\_services\_3\_application\_GENERIC



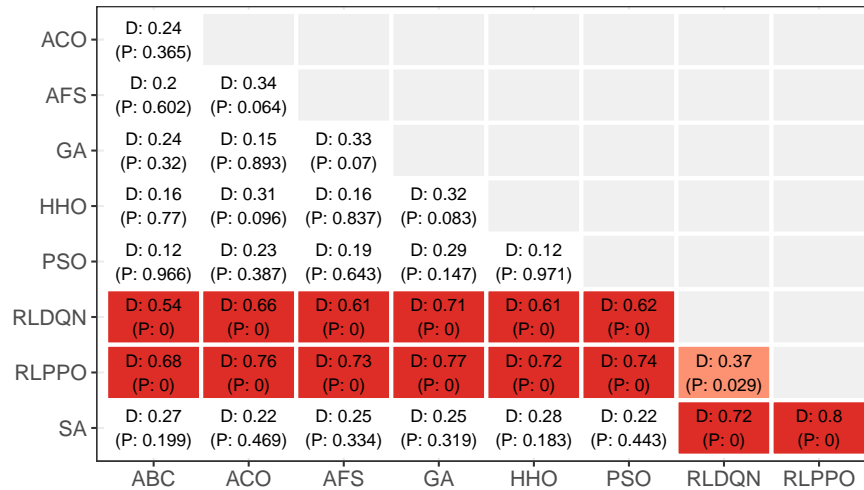
NS
  P < 0.05
  P < 0.01

scenario\_3\_servers\_100\_services\_3\_application\_LTS



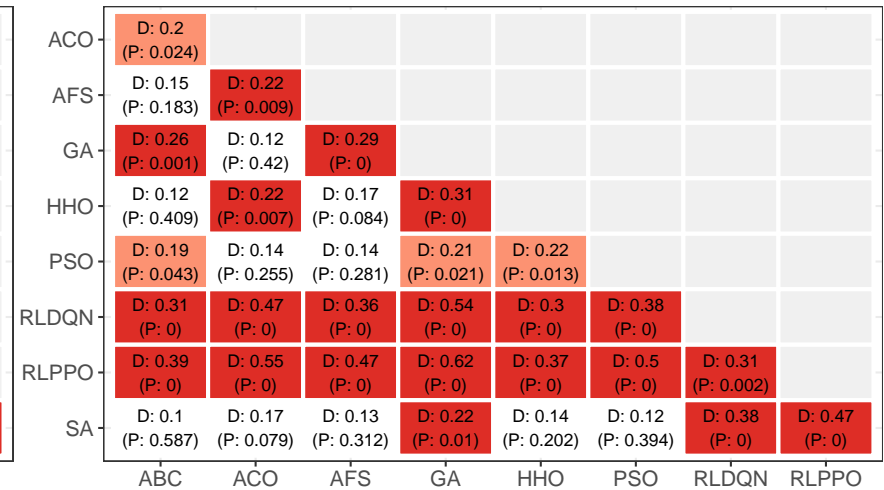
NS
  P < 0.05
  P < 0.01

scenario\_3\_servers\_100\_services\_3\_application\_MMA



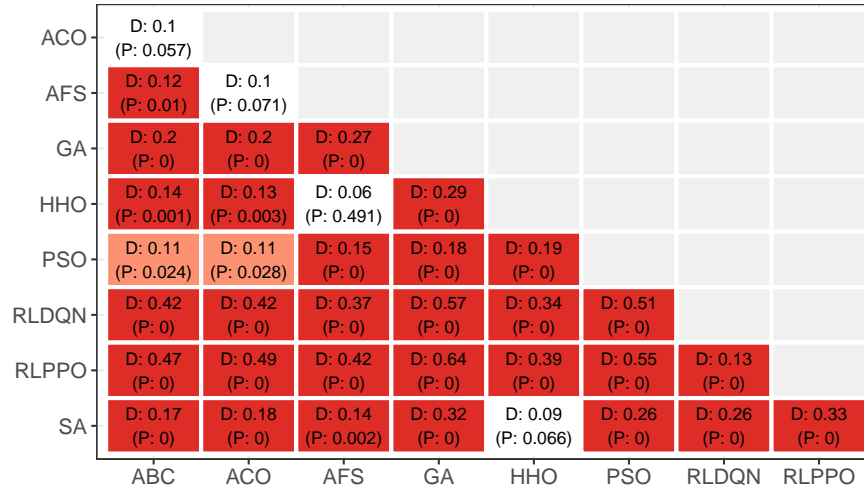
NS
  P < 0.05
  P < 0.01

scenario\_3\_servers\_100\_services\_3\_application\_PWD



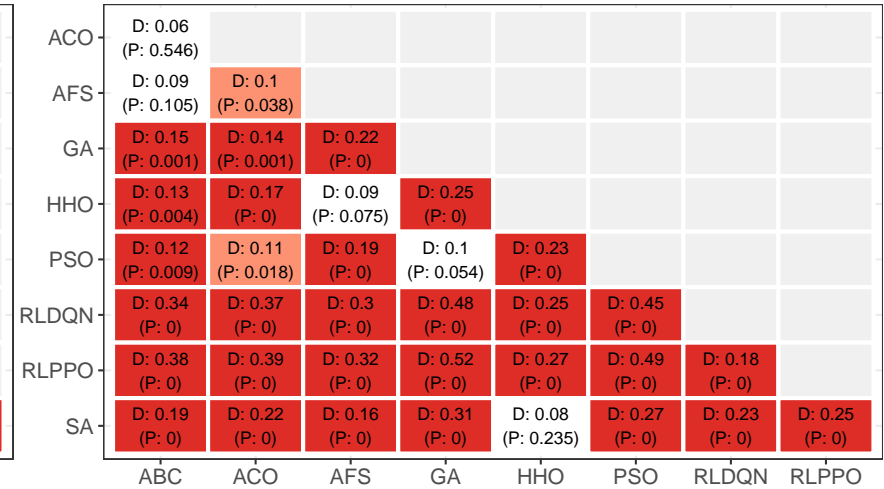
NS
  P < 0.05
  P < 0.01

scenario\_3\_servers\_100\_services\_5\_application\_GENERIC



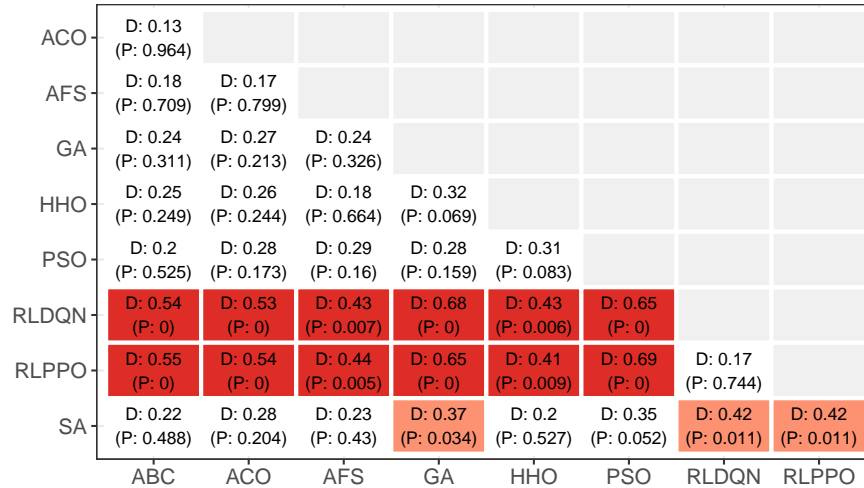
NS P < 0.05 P < 0.01

scenario\_3\_servers\_100\_services\_5\_application\_LTS



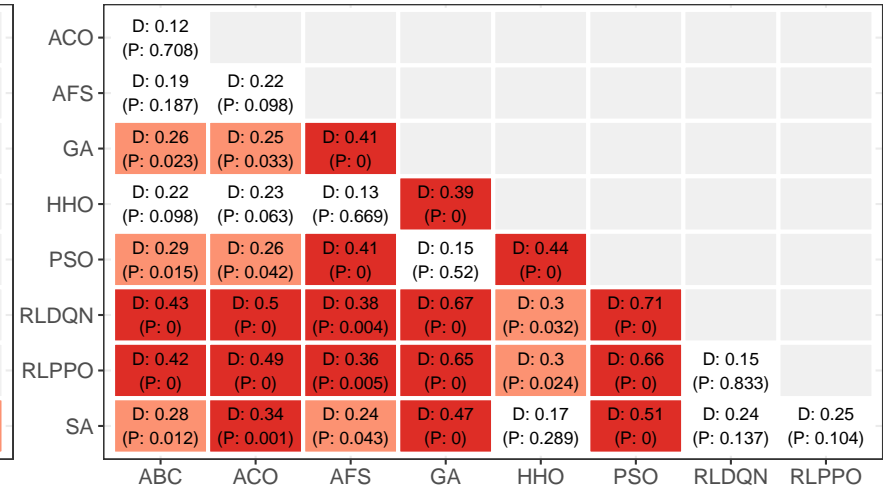
NS P < 0.05 P < 0.01

scenario\_3\_servers\_100\_services\_5\_application\_MMA



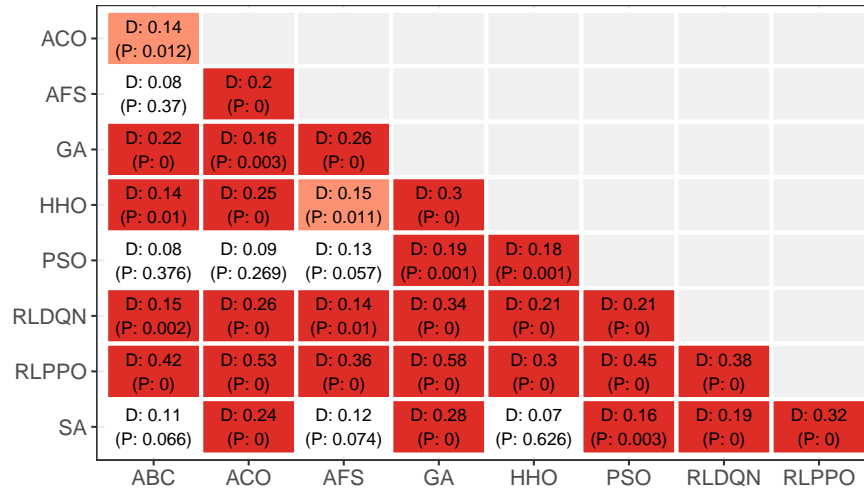
NS P < 0.05 P < 0.01

scenario\_3\_servers\_100\_services\_5\_application\_PWD



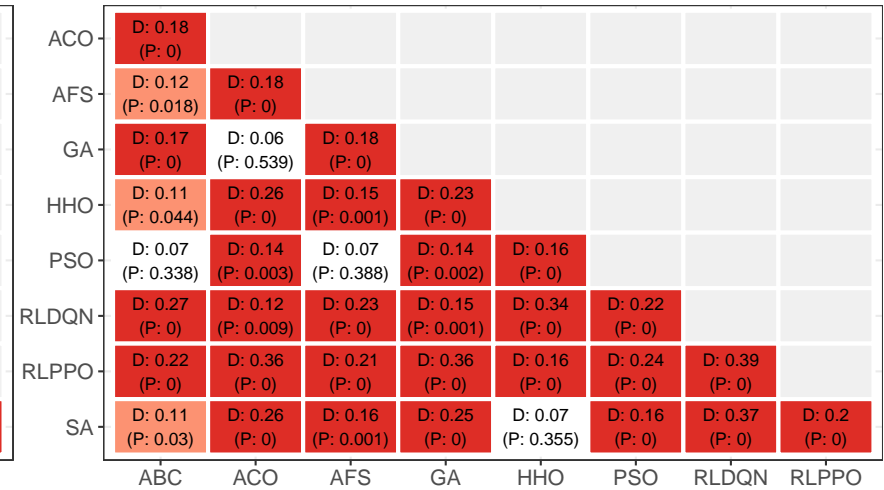
NS P < 0.05 P < 0.01

scenario\_3\_servers\_100\_services\_7\_application\_GENERIC



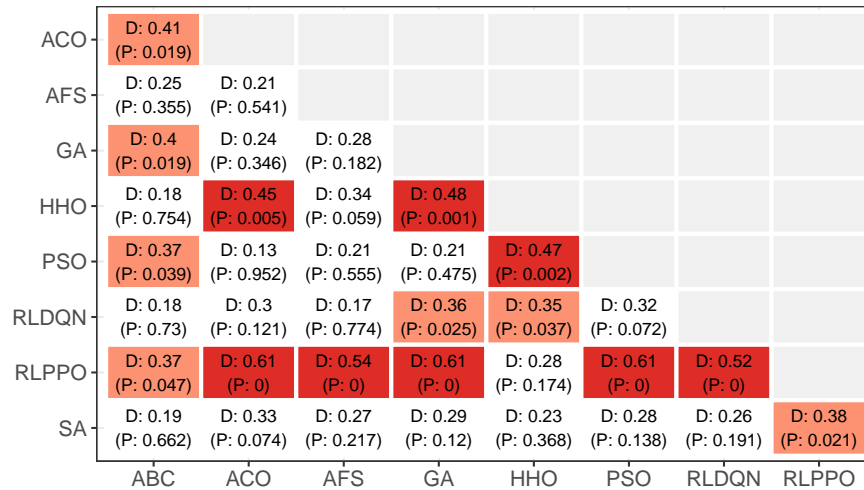
NS P < 0.05 P < 0.01

scenario\_3\_servers\_100\_services\_7\_application\_LTS



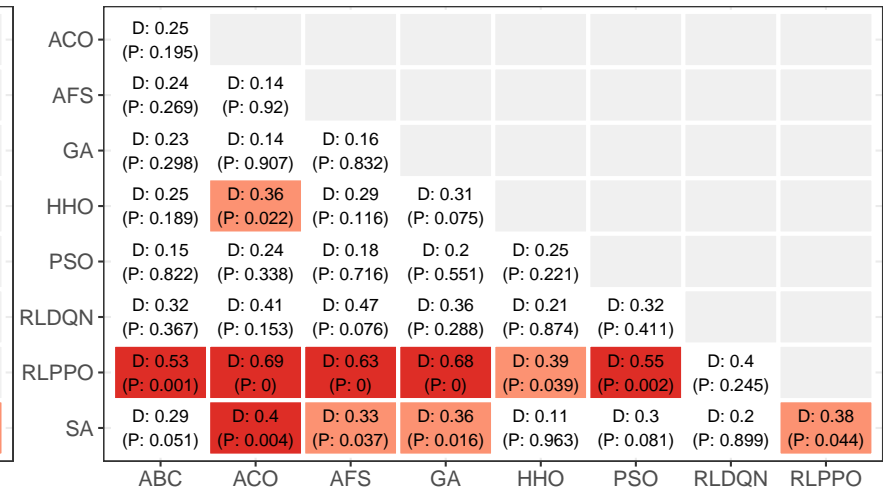
NS P < 0.05 P < 0.01

scenario\_3\_servers\_100\_services\_7\_application\_MMA



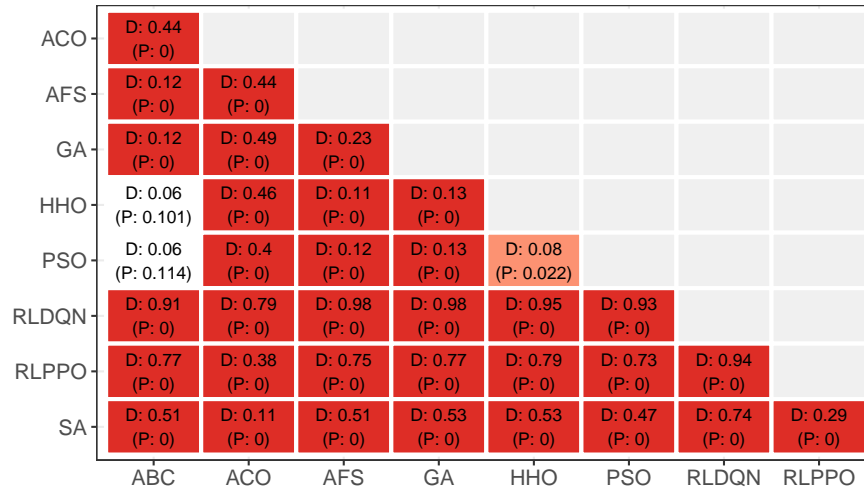
NS P < 0.05 P < 0.01

scenario\_3\_servers\_100\_services\_7\_application\_PWD



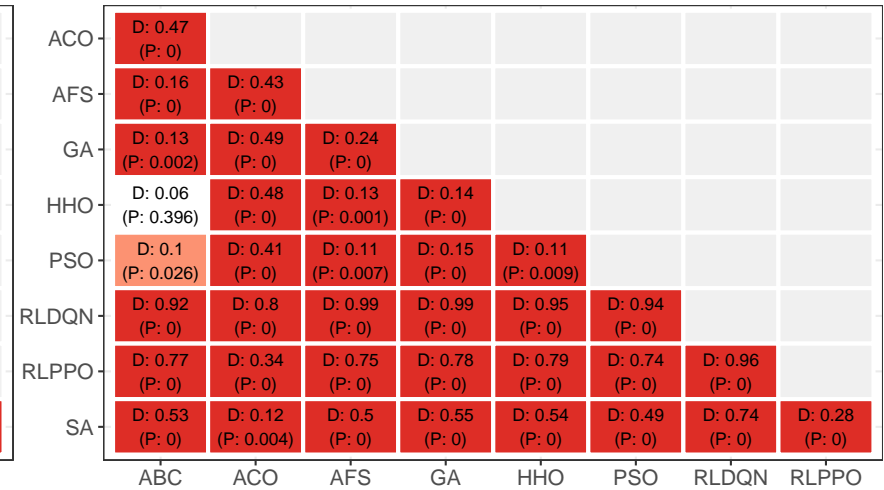
NS P < 0.05 P < 0.01

scenario\_3\_servers\_200\_services\_1\_application\_GENERIC



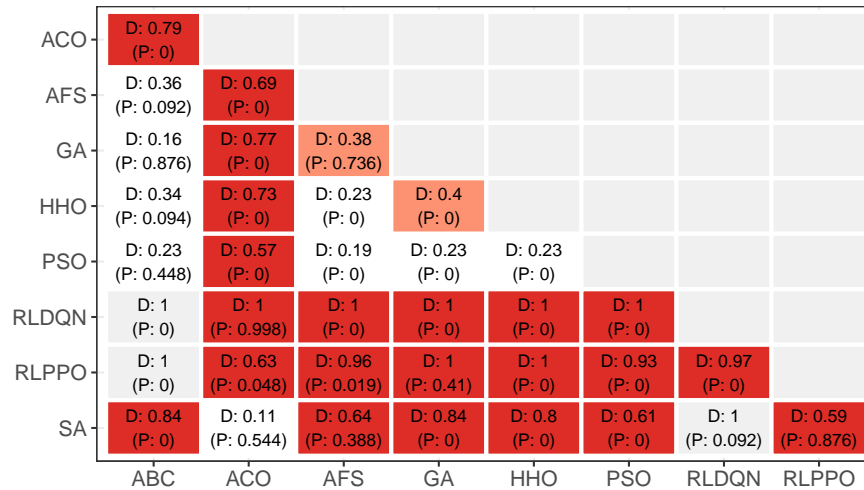
NS P < 0.05 P < 0.01

scenario\_3\_servers\_200\_services\_1\_application\_LTS



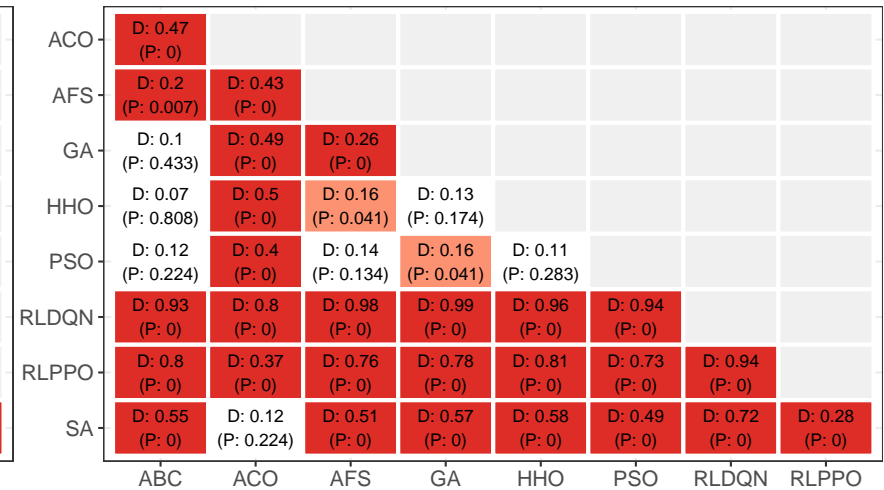
NS P < 0.05 P < 0.01

scenario\_3\_servers\_200\_services\_1\_application\_MMA



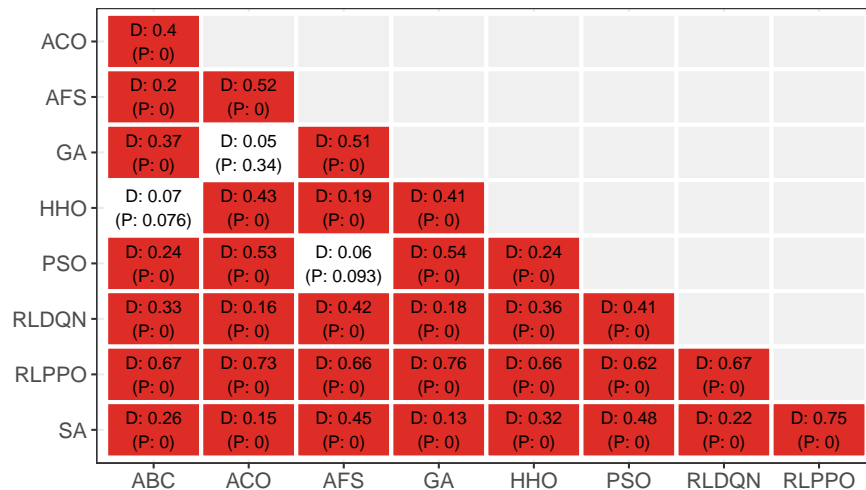
NS P < 0.05 P < 0.01

scenario\_3\_servers\_200\_services\_1\_application\_PWD



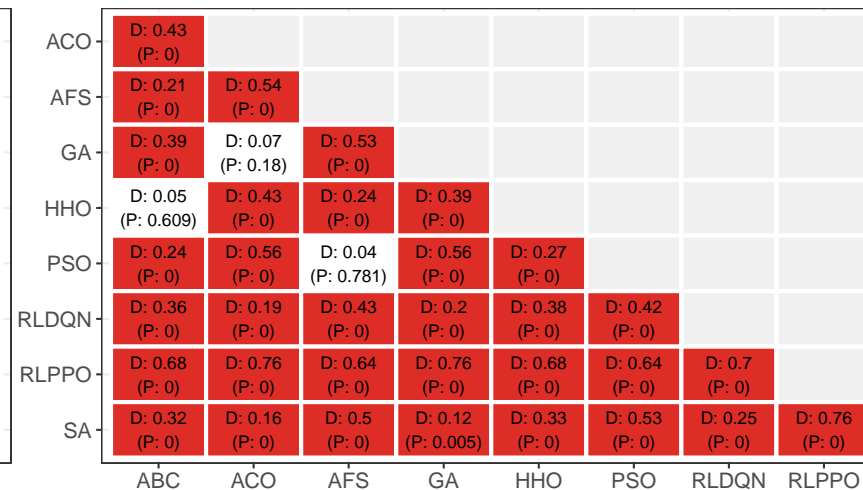
NS P < 0.05 P < 0.01

scenario\_3\_servers\_200\_services\_3\_application\_GENERIC



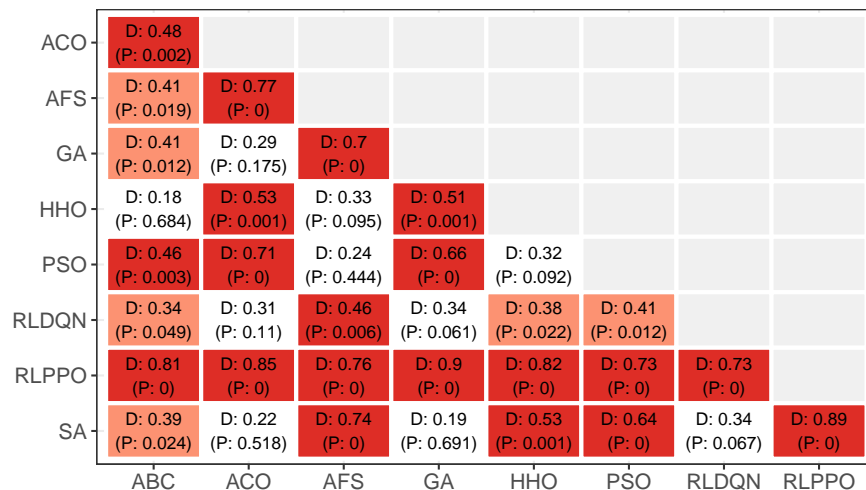
NS P < 0.01

scenario\_3\_servers\_200\_services\_3\_application\_LTS



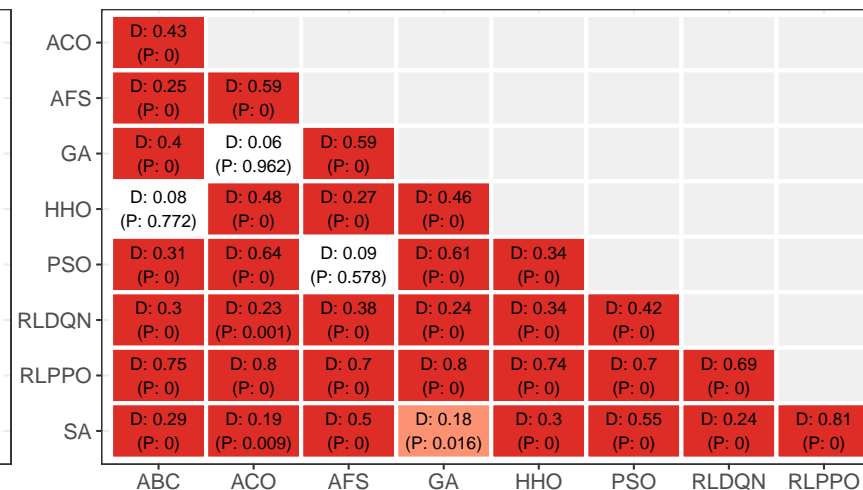
NS P < 0.01

scenario\_3\_servers\_200\_services\_3\_application\_MMA



NS P < 0.05 P < 0.01

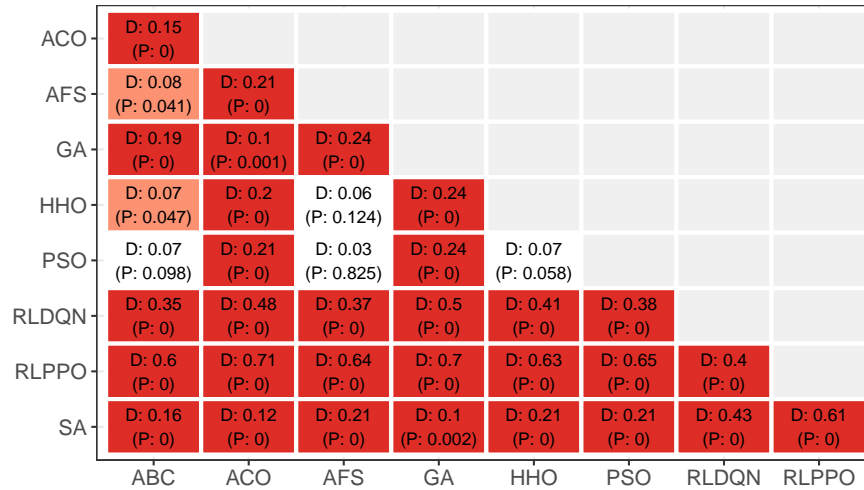
scenario\_3\_servers\_200\_services\_3\_application\_PWD



NS P < 0.05 P < 0.01

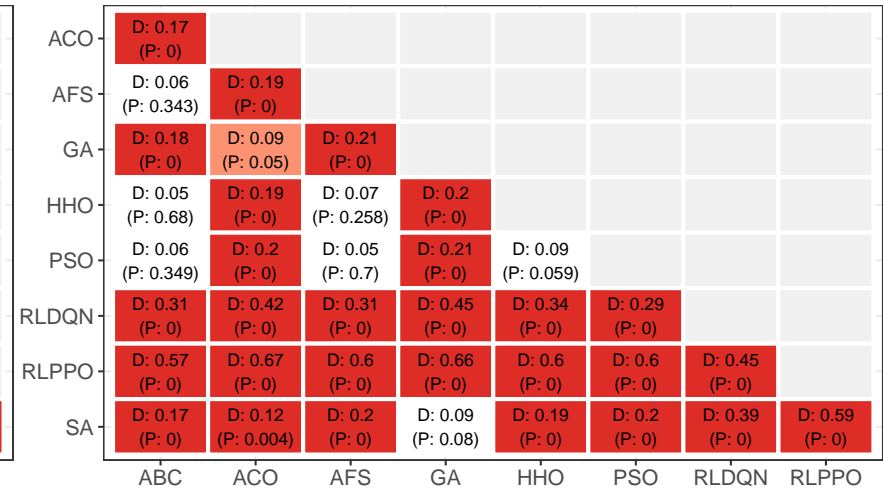


scenario\_3\_servers\_200\_services\_5\_application\_GENERIC



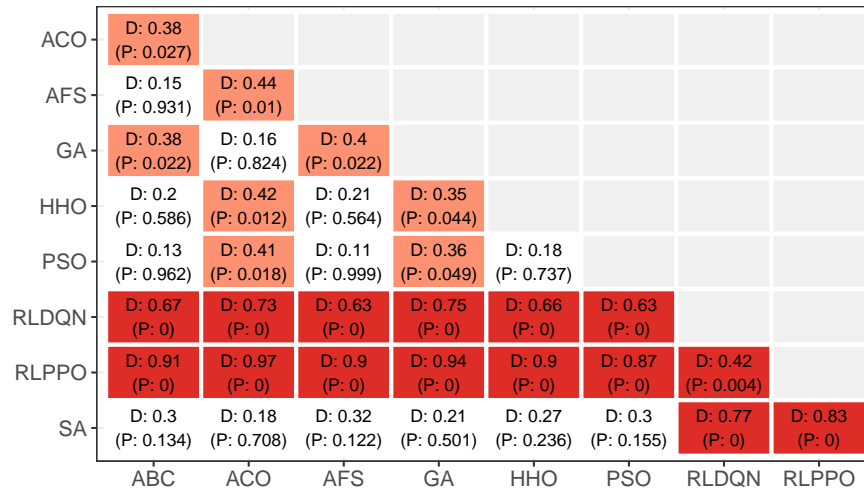
NS P < 0.05 P < 0.01

scenario\_3\_servers\_200\_services\_5\_application\_LTS



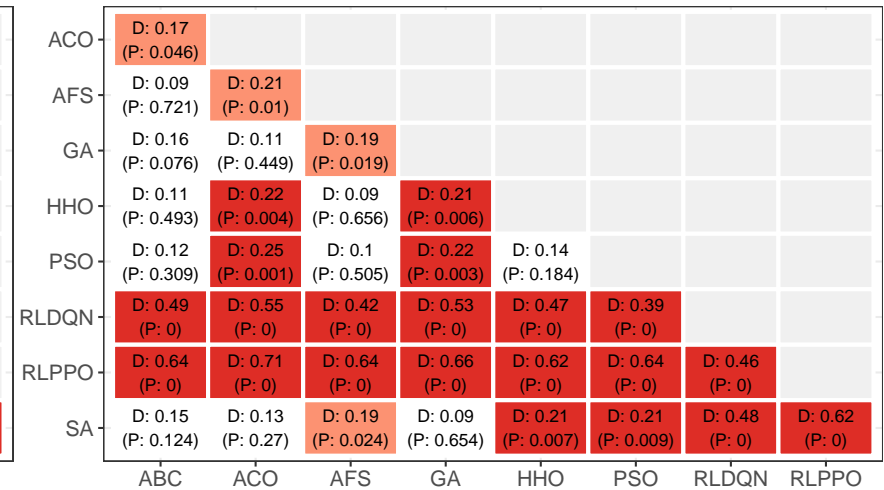
NS P < 0.05 P < 0.01

scenario\_3\_servers\_200\_services\_5\_application\_MMA



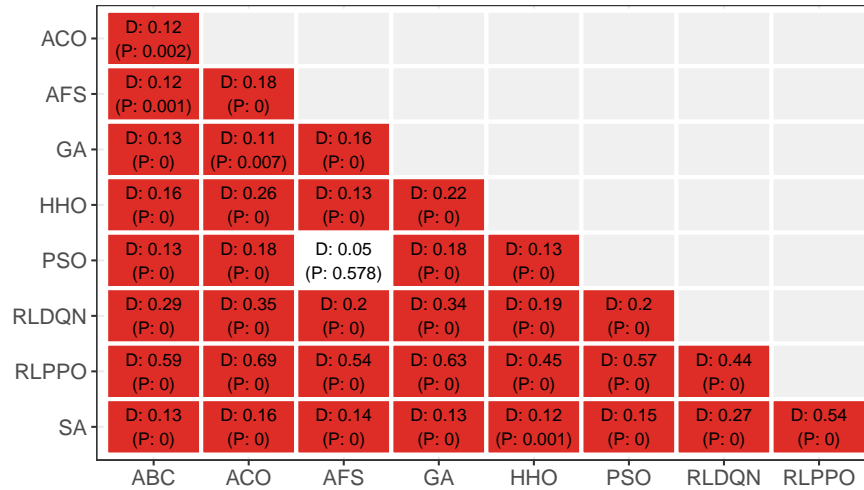
NS P < 0.05 P < 0.01

scenario\_3\_servers\_200\_services\_5\_application\_PWD



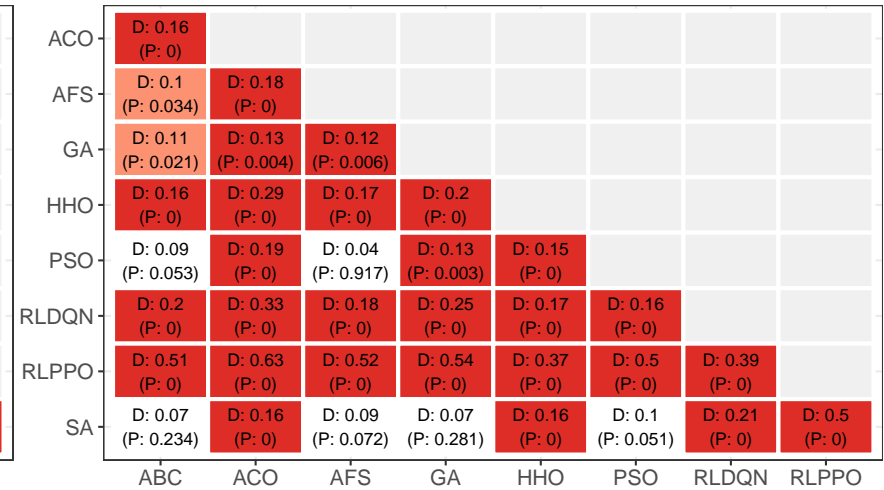
NS P < 0.05 P < 0.01

scenario\_3\_servers\_200\_services\_7\_application\_GENERIC



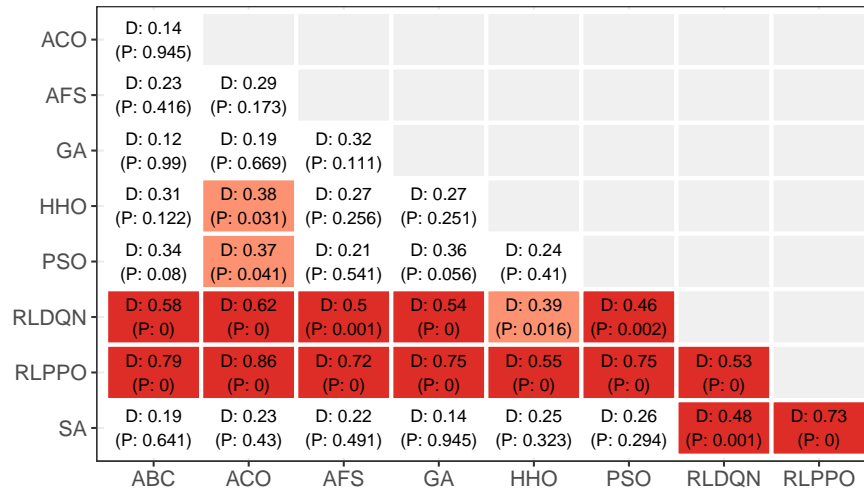
NS P < 0.01

scenario\_3\_servers\_200\_services\_7\_application\_LTS



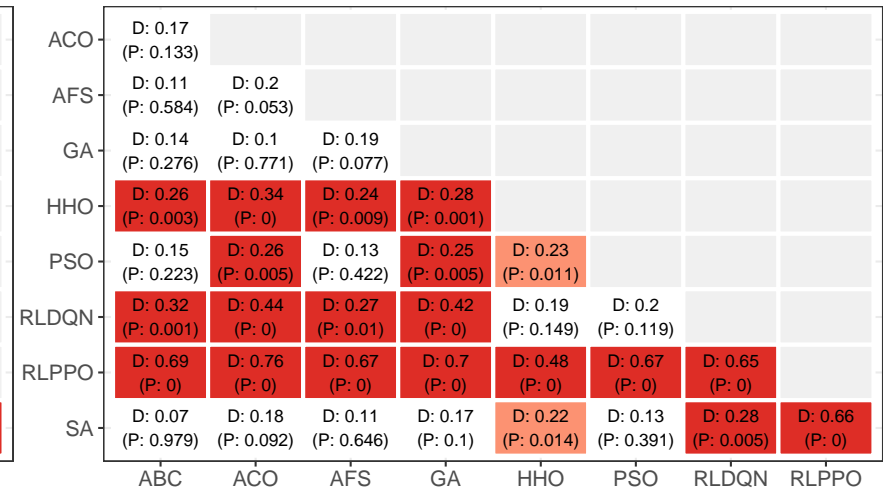
NS P < 0.05 P < 0.01

scenario\_3\_servers\_200\_services\_7\_application\_MMA



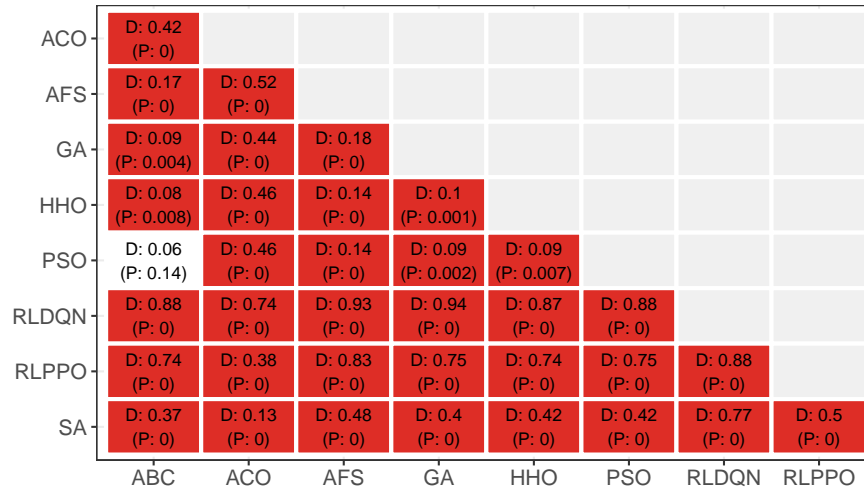
NS P < 0.05 P < 0.01

scenario\_3\_servers\_200\_services\_7\_application\_PWD



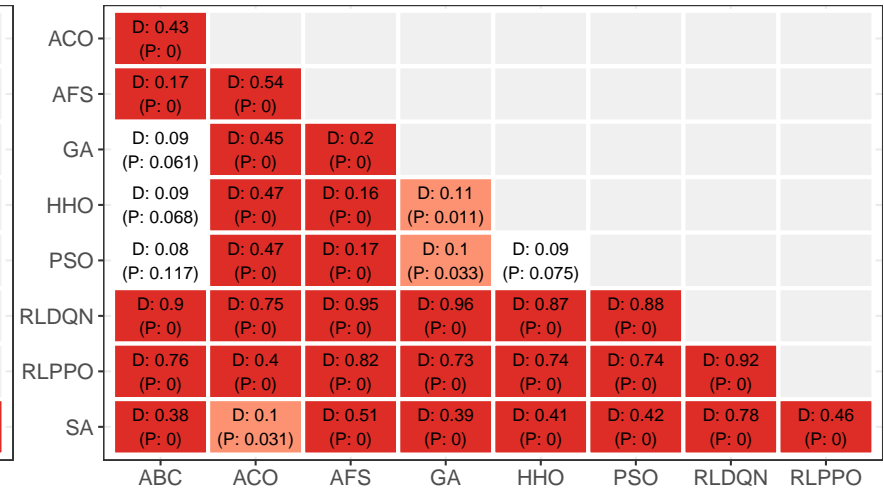
NS P < 0.05 P < 0.01

scenario\_3\_servers\_300\_services\_1\_application\_GENERIC



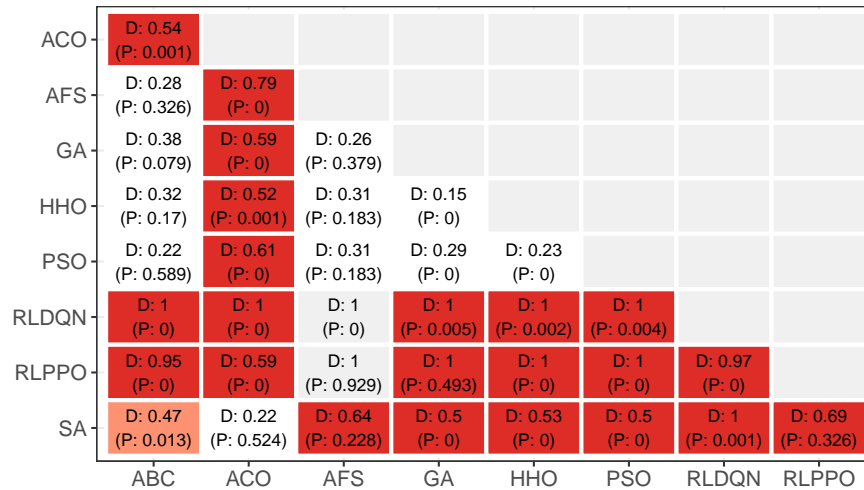
NS P < 0.01

scenario\_3\_servers\_300\_services\_1\_application\_LTS



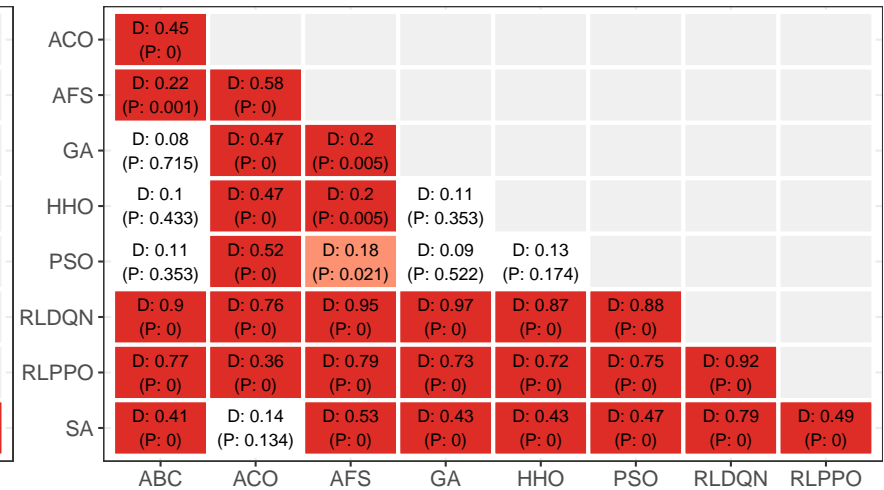
NS P < 0.05 P < 0.01

scenario\_3\_servers\_300\_services\_1\_application\_MMA



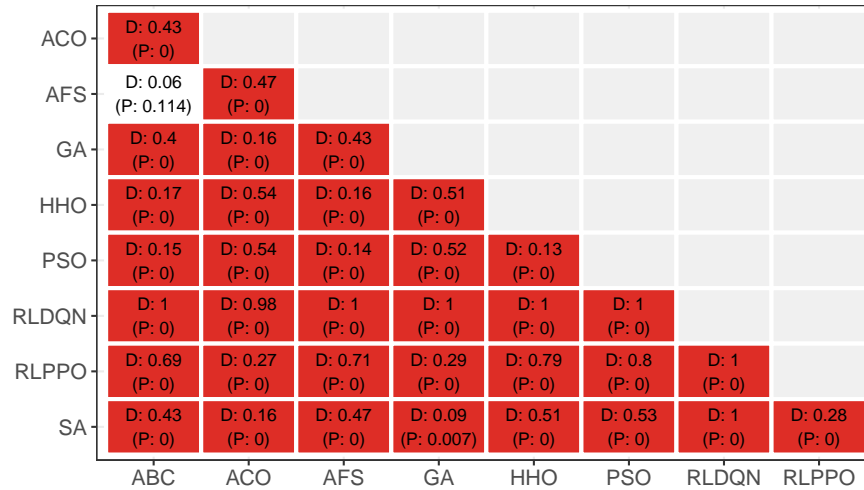
NS P < 0.05 P < 0.01

scenario\_3\_servers\_300\_services\_1\_application\_PWD



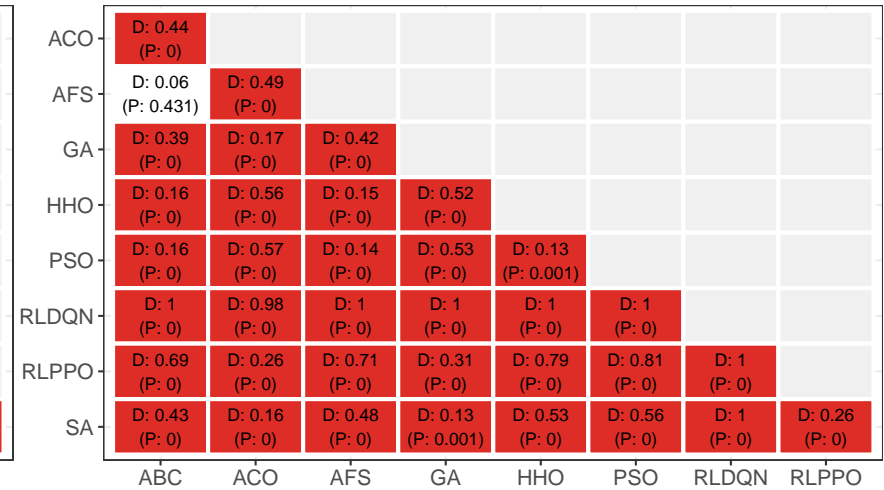
NS P < 0.05 P < 0.01

scenario\_3\_servers\_300\_services\_3\_application\_GENERIC



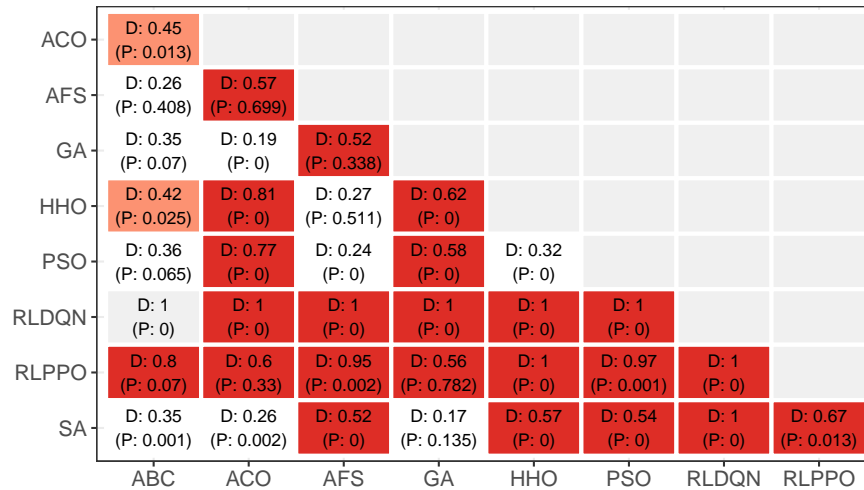
NS P < 0.01

scenario\_3\_servers\_300\_services\_3\_application\_LTS



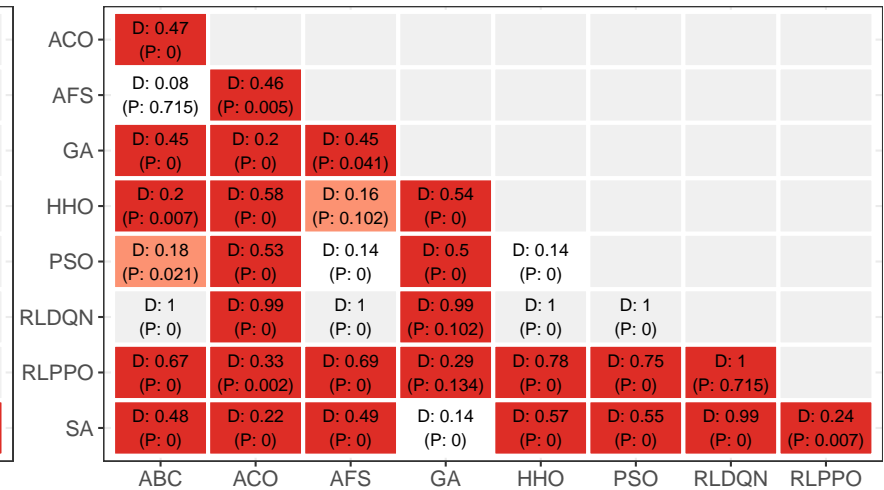
NS P < 0.01

scenario\_3\_servers\_300\_services\_3\_application\_MMA



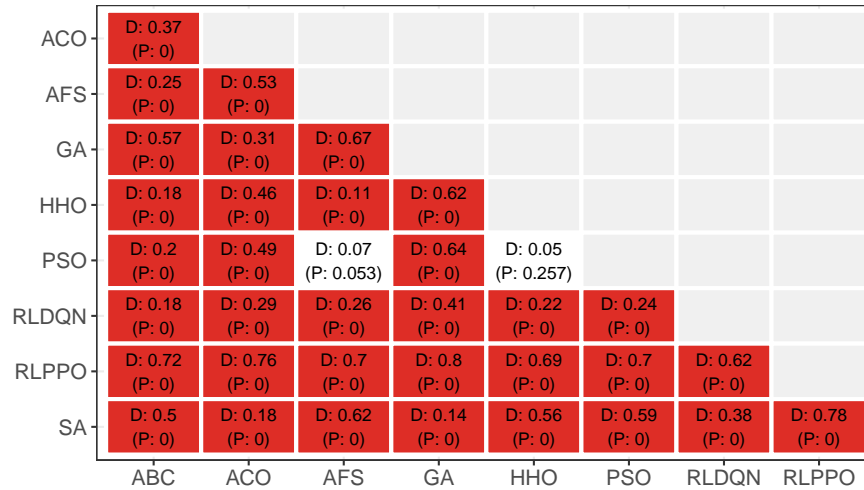
NS P < 0.05 P < 0.01

scenario\_3\_servers\_300\_services\_3\_application\_PWD



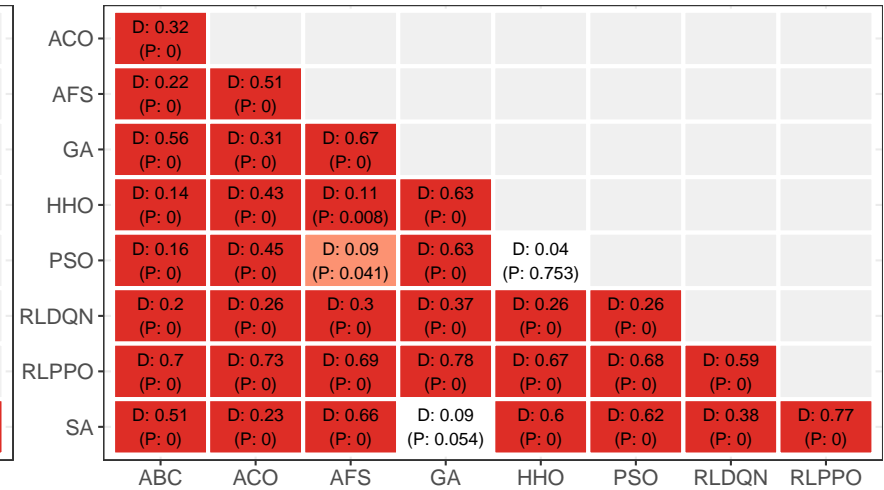
NS P < 0.05 P < 0.01

scenario\_3\_servers\_300\_services\_5\_application\_GENERIC



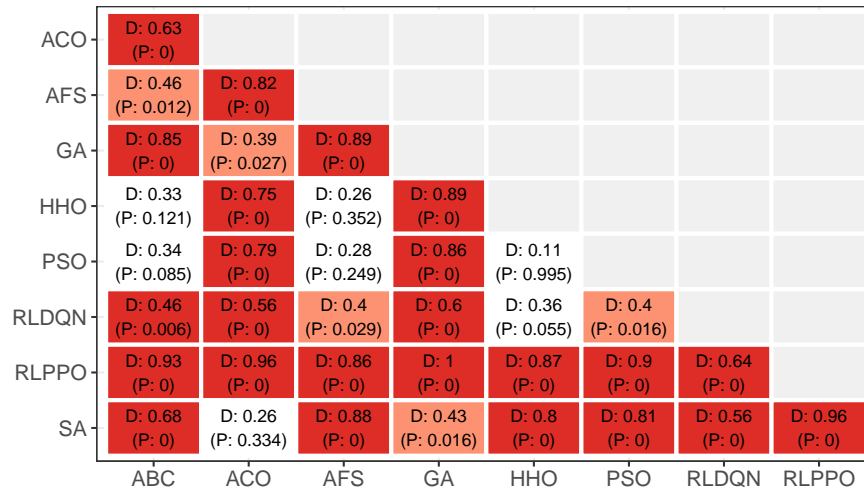
NS P < 0.01

scenario\_3\_servers\_300\_services\_5\_application\_LTS



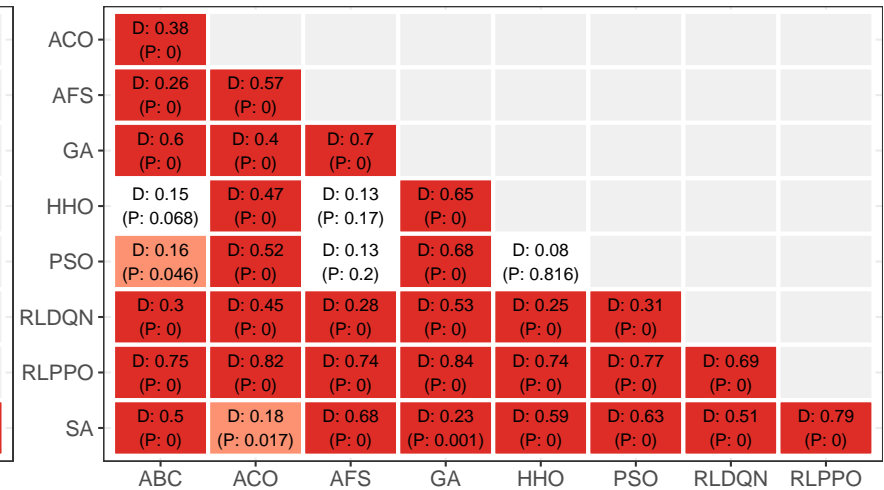
NS P < 0.05 P < 0.01

scenario\_3\_servers\_300\_services\_5\_application\_MMA



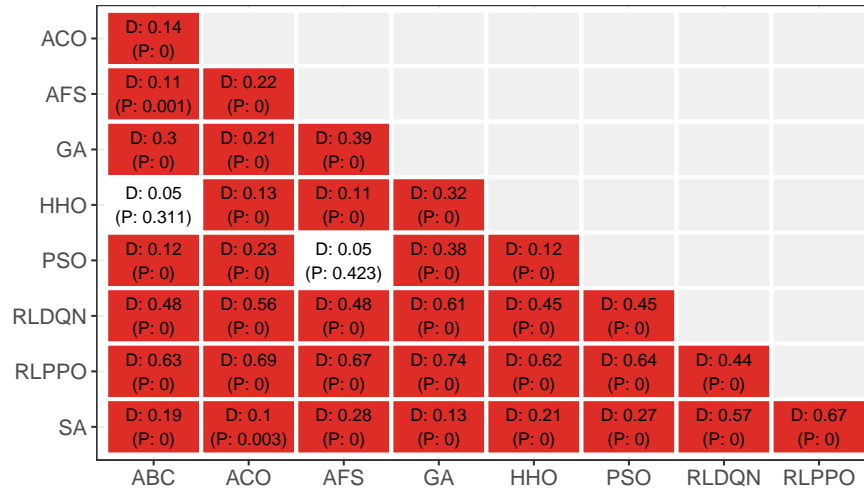
NS P < 0.05 P < 0.01

scenario\_3\_servers\_300\_services\_5\_application\_PWD



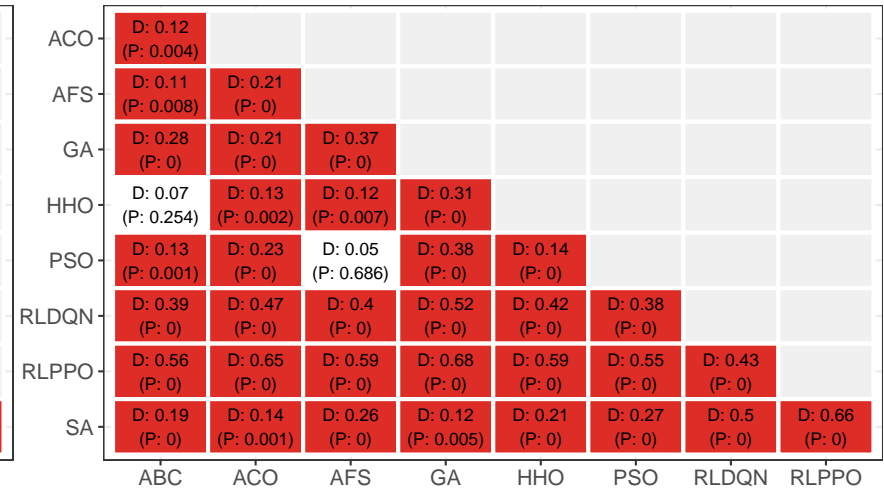
NS P < 0.05 P < 0.01

scenario\_3\_servers\_300\_services\_7\_application\_GENERIC



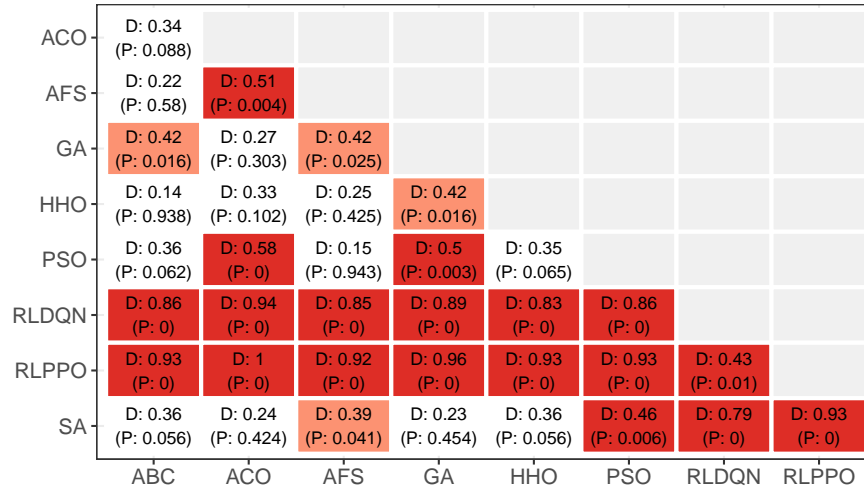
NS P < 0.01

scenario\_3\_servers\_300\_services\_7\_application\_LTS



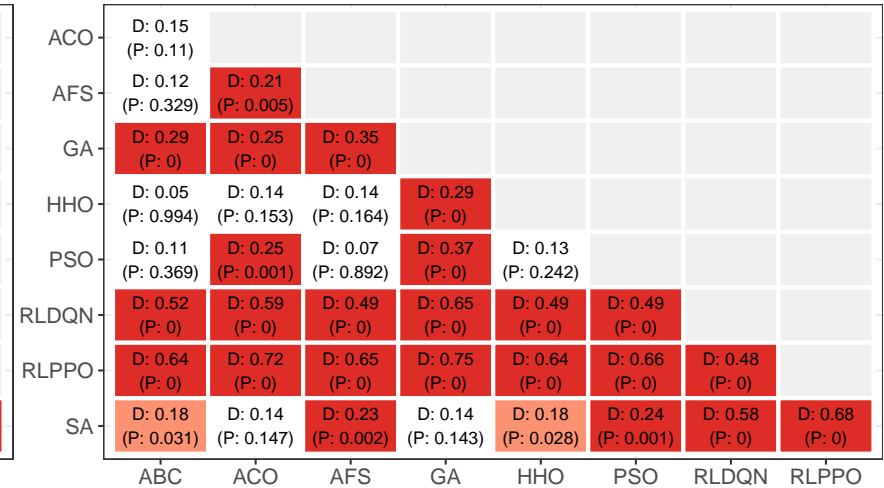
NS P < 0.01

scenario\_3\_servers\_300\_services\_7\_application\_MMA



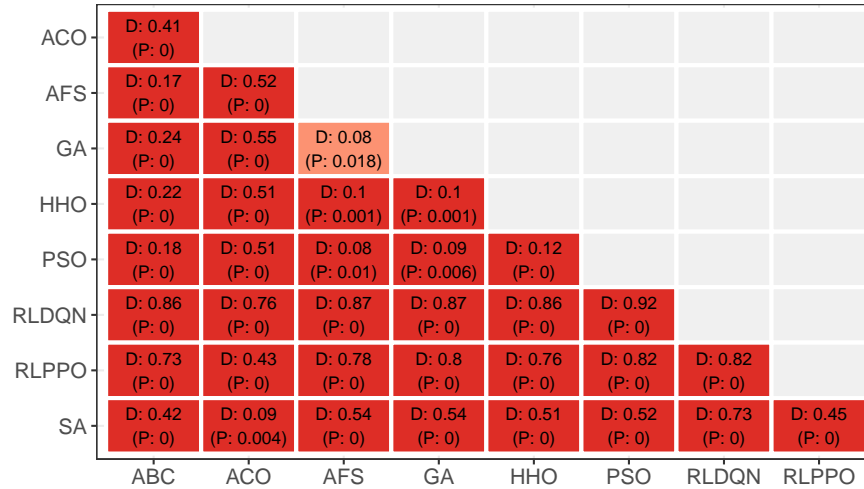
NS P < 0.05 P < 0.01

scenario\_3\_servers\_300\_services\_7\_application\_PWD



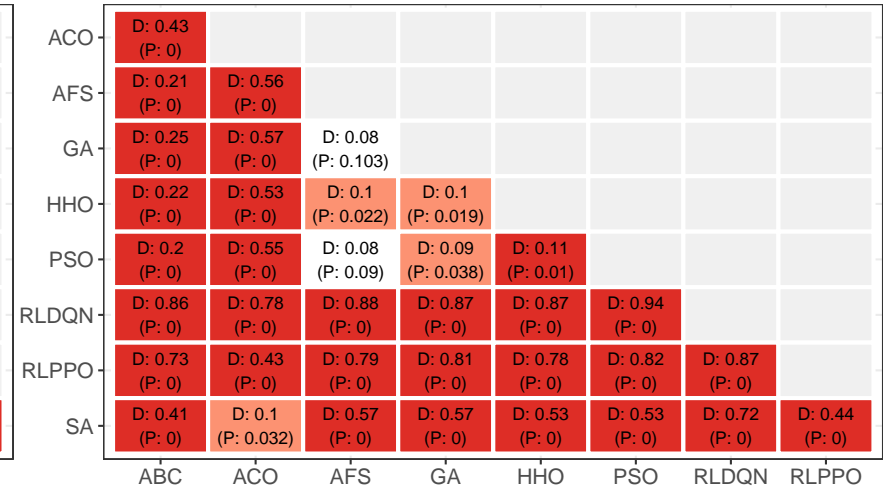
NS P < 0.05 P < 0.01

scenario\_3\_servers\_400\_services\_1\_application\_GENERIC



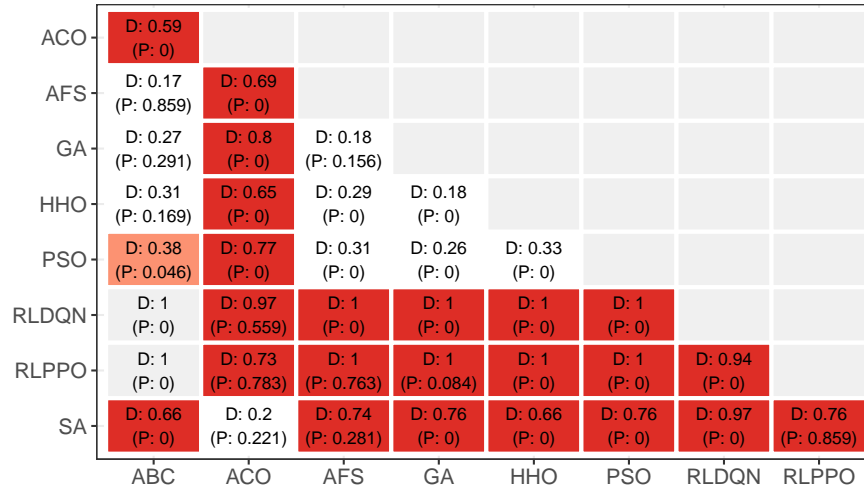
P < 0.05
  P < 0.01

scenario\_3\_servers\_400\_services\_1\_application\_LTS



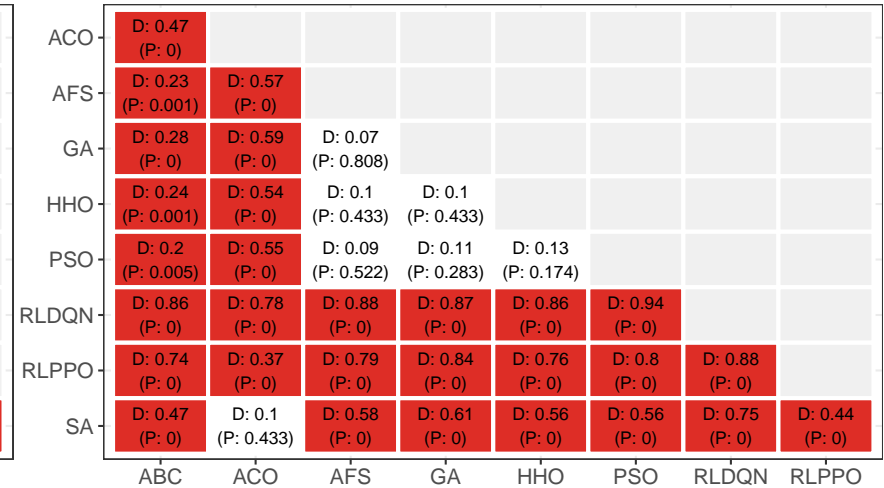
NS
  P < 0.05
  P < 0.01

scenario\_3\_servers\_400\_services\_1\_application\_MMA



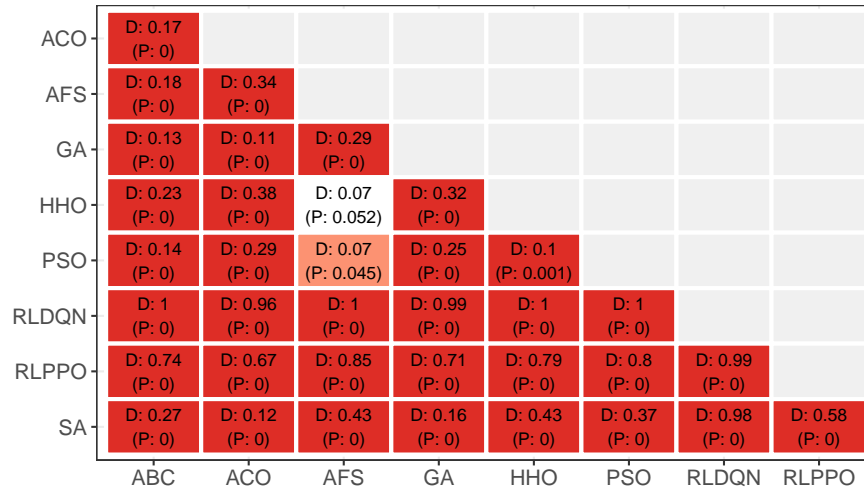
NS
  P < 0.05
  P < 0.01

scenario\_3\_servers\_400\_services\_1\_application\_PWD



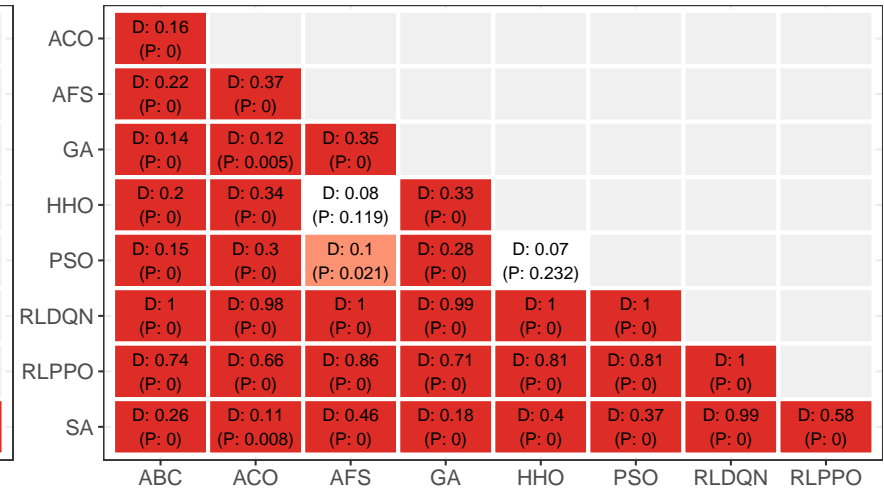
NS
  P < 0.01

scenario\_3\_servers\_400\_services\_3\_application\_GENERIC



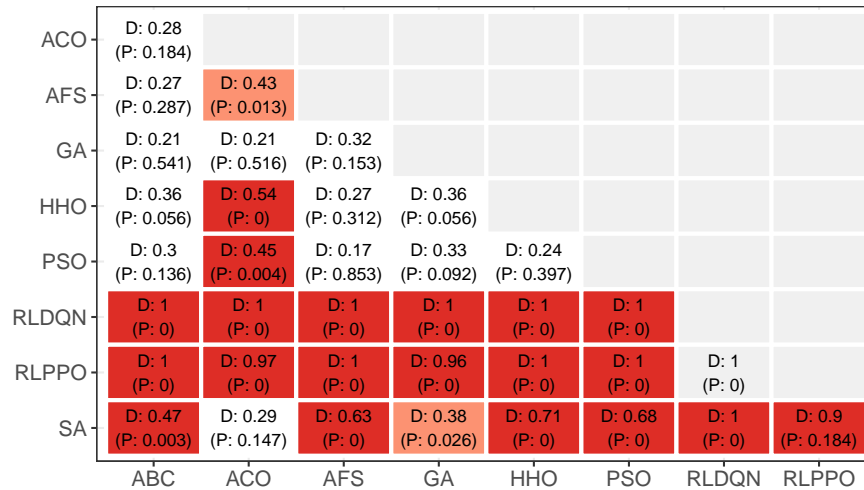
NS P < 0.05 P < 0.01

scenario\_3\_servers\_400\_services\_3\_application\_LTS



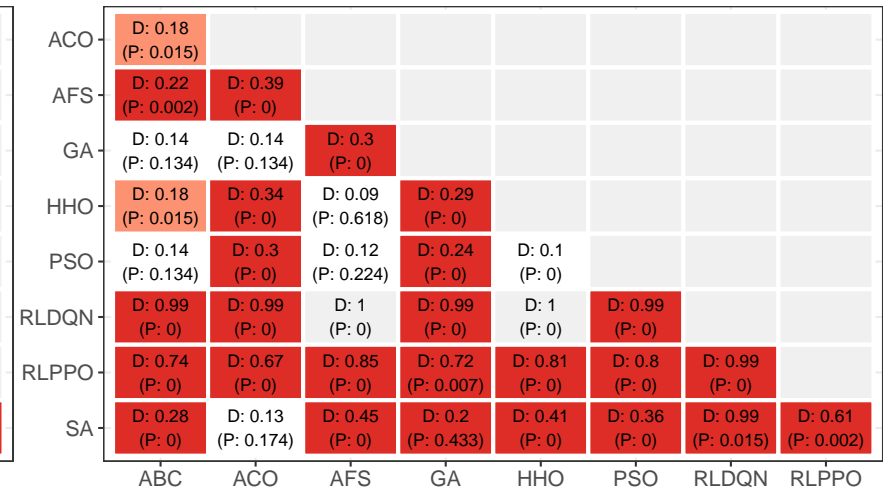
NS P < 0.05 P < 0.01

scenario\_3\_servers\_400\_services\_3\_application\_MMA



NS P < 0.05 P < 0.01

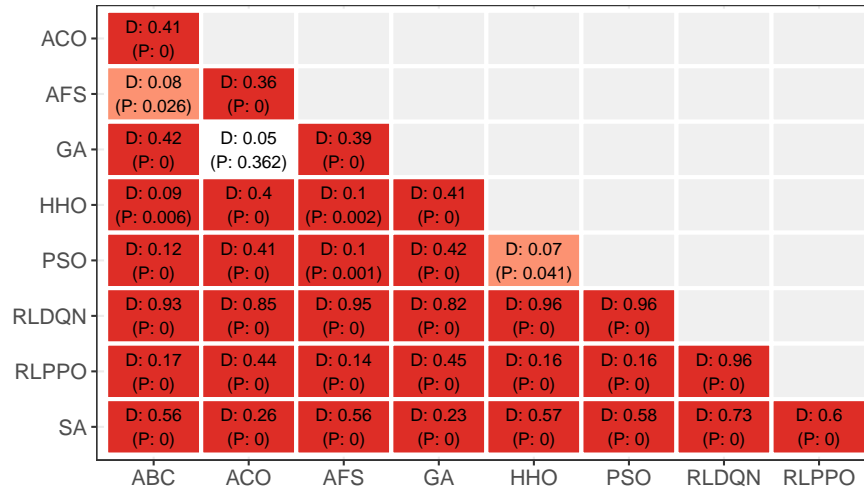
scenario\_3\_servers\_400\_services\_3\_application\_PWD



NS P < 0.05 P < 0.01

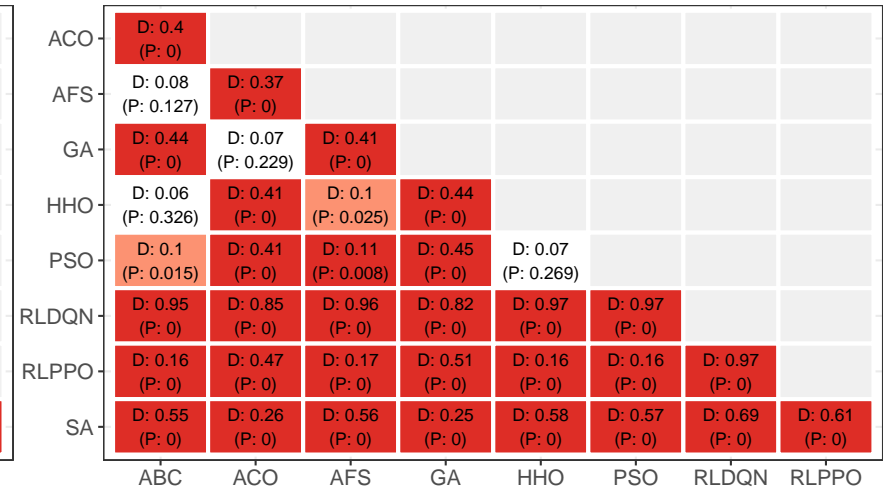


scenario\_3\_servers\_400\_services\_5\_application\_GENERIC



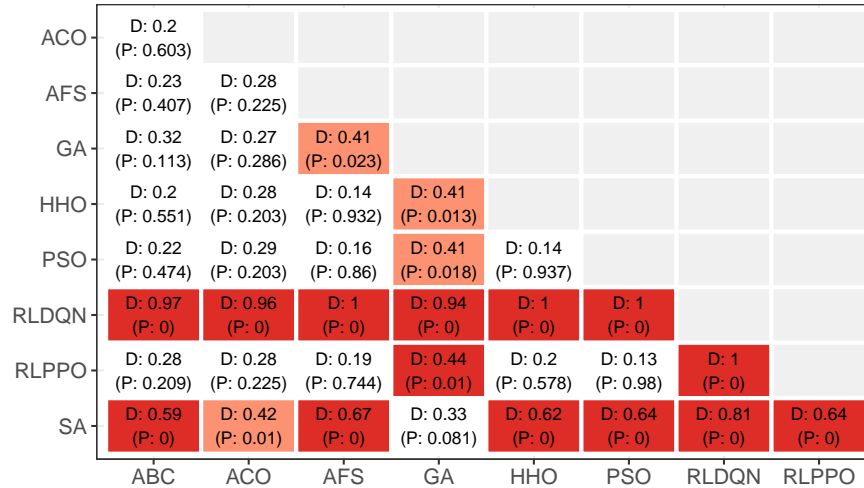
□ NS □ P < 0.05 ■ P < 0.01

scenario\_3\_servers\_400\_services\_5\_application\_LTS



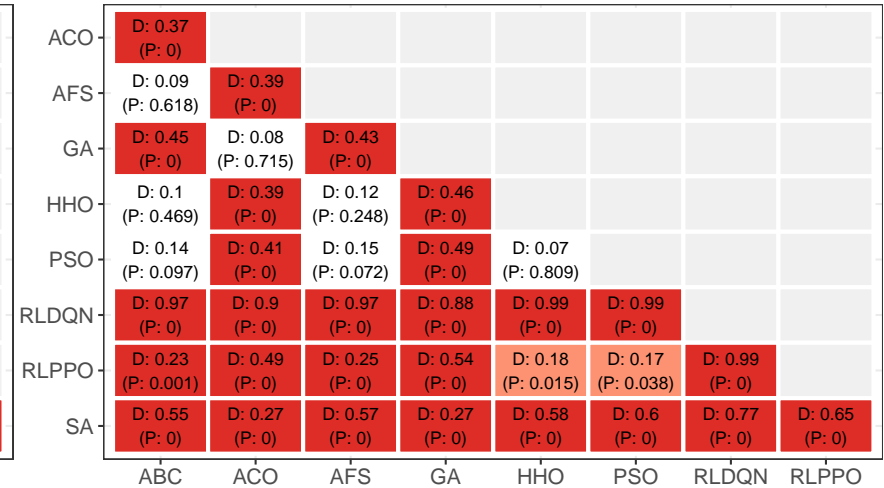
□ NS □ P < 0.05 ■ P < 0.01

scenario\_3\_servers\_400\_services\_5\_application\_MMA



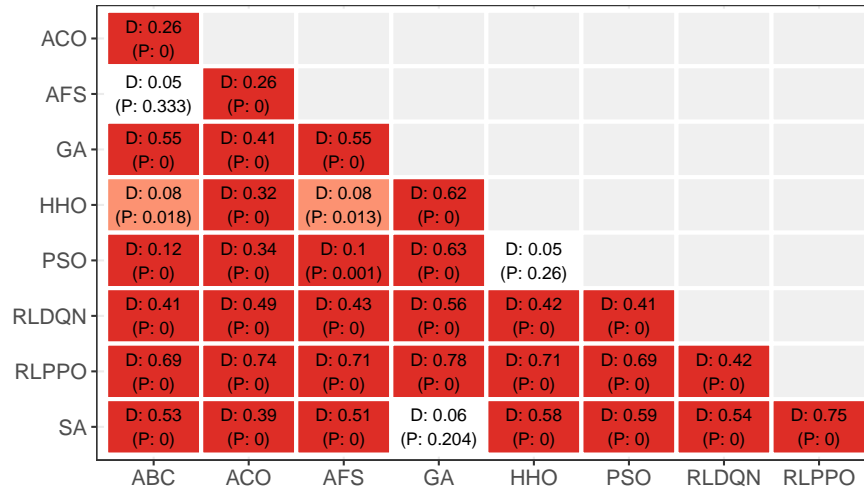
□ NS □ P < 0.05 ■ P < 0.01

scenario\_3\_servers\_400\_services\_5\_application\_PWD



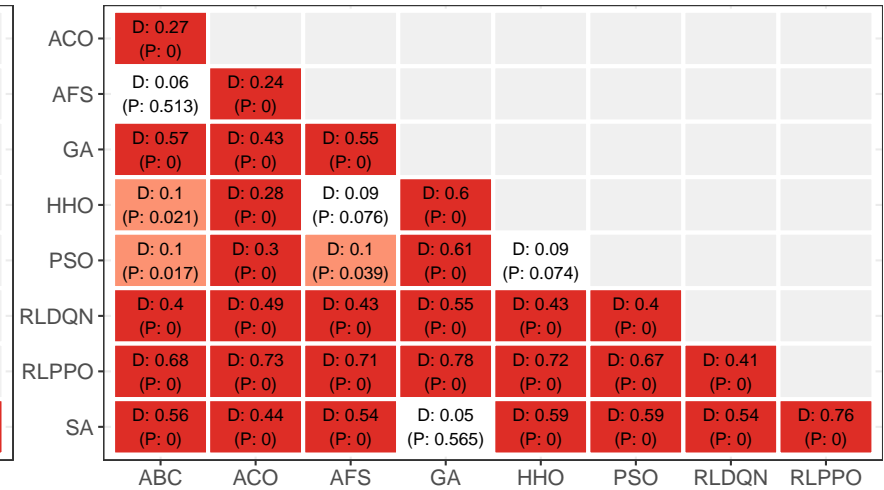
□ NS □ P < 0.05 ■ P < 0.01

scenario\_3\_servers\_400\_services\_7\_application\_GENERIC



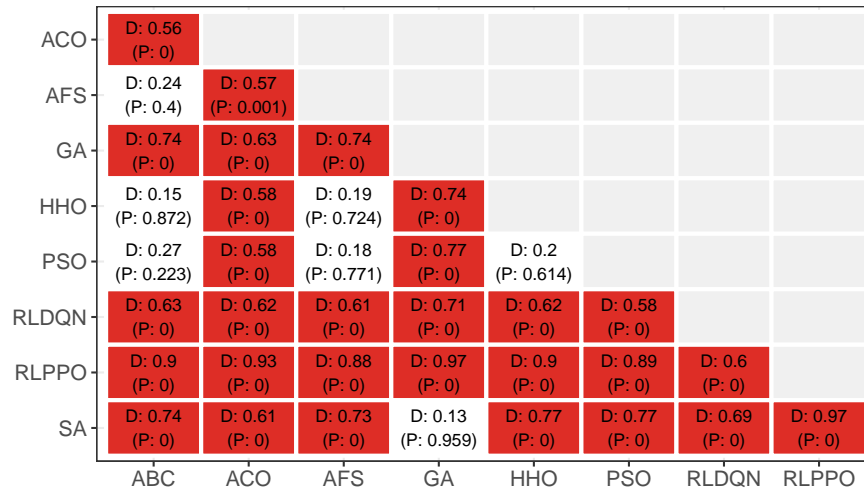
□ NS □ P < 0.05 ■ P < 0.01

scenario\_3\_servers\_400\_services\_7\_application\_LTS



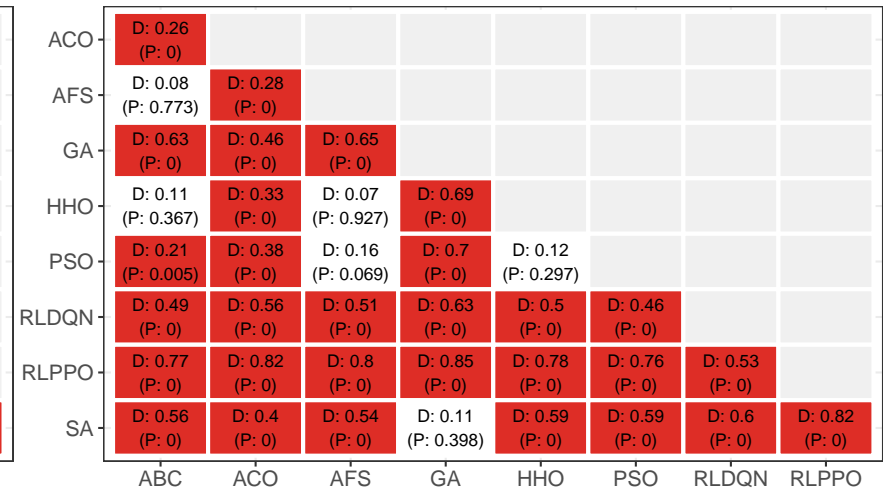
□ NS □ P < 0.05 ■ P < 0.01

scenario\_3\_servers\_400\_services\_7\_application\_MMA



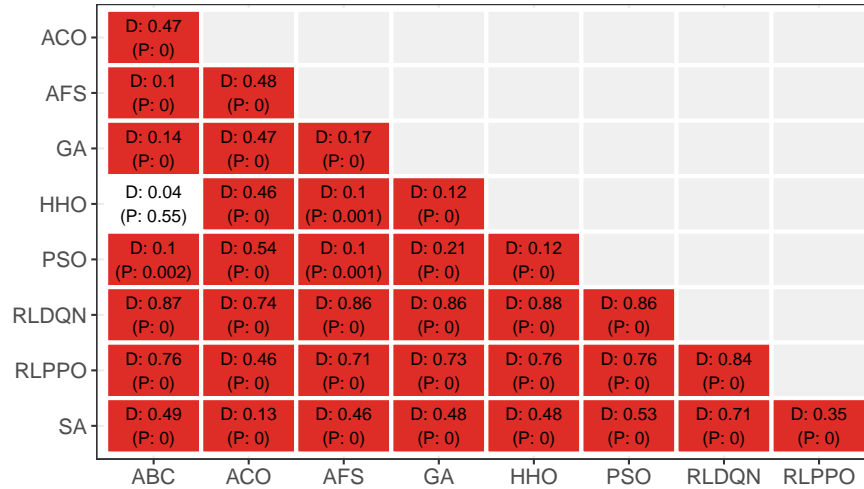
□ NS ■ P < 0.01

scenario\_3\_servers\_400\_services\_7\_application\_PWD



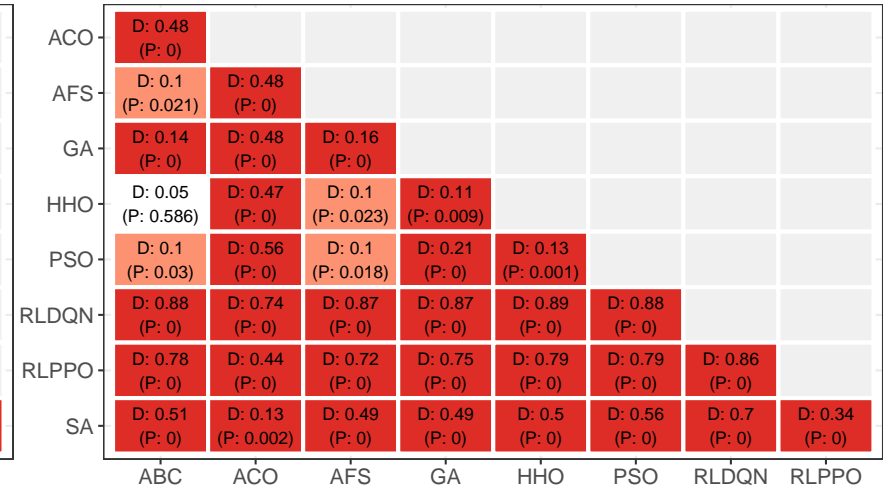
□ NS ■ P < 0.01

scenario\_3\_servers\_500\_services\_1\_application\_GENERIC



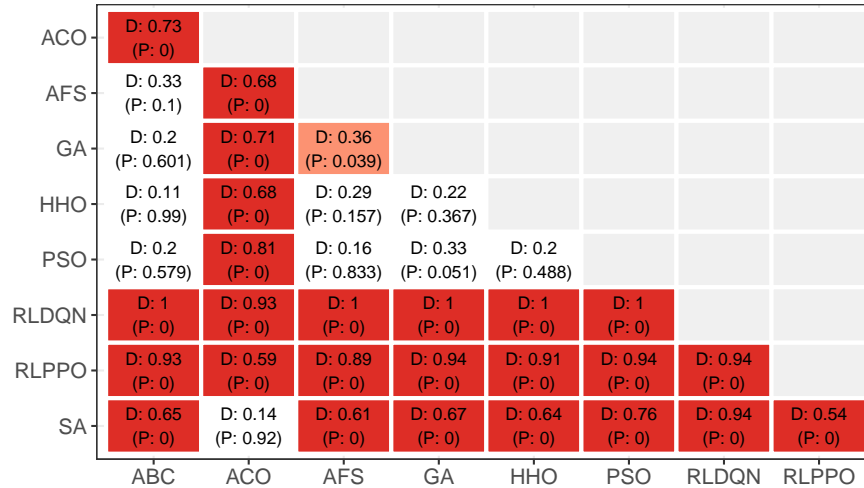
NS P < 0.01

scenario\_3\_servers\_500\_services\_1\_application\_LTS



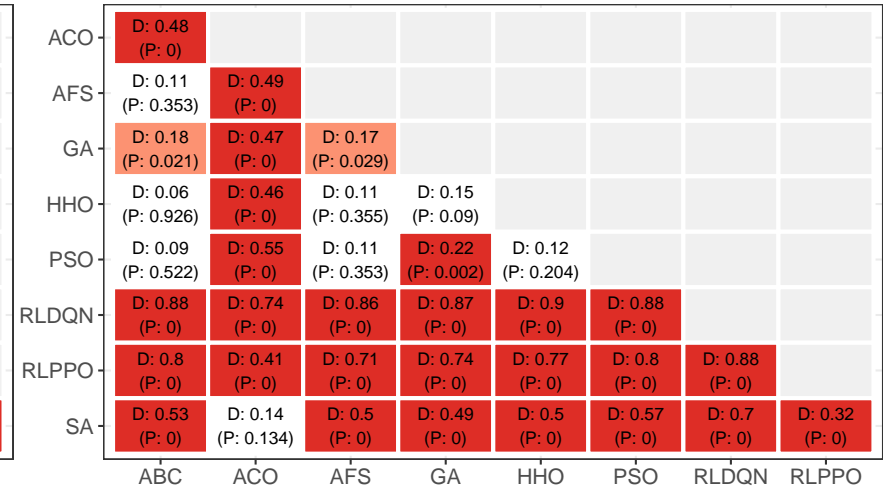
NS P < 0.05 P < 0.01

scenario\_3\_servers\_500\_services\_1\_application\_MMA



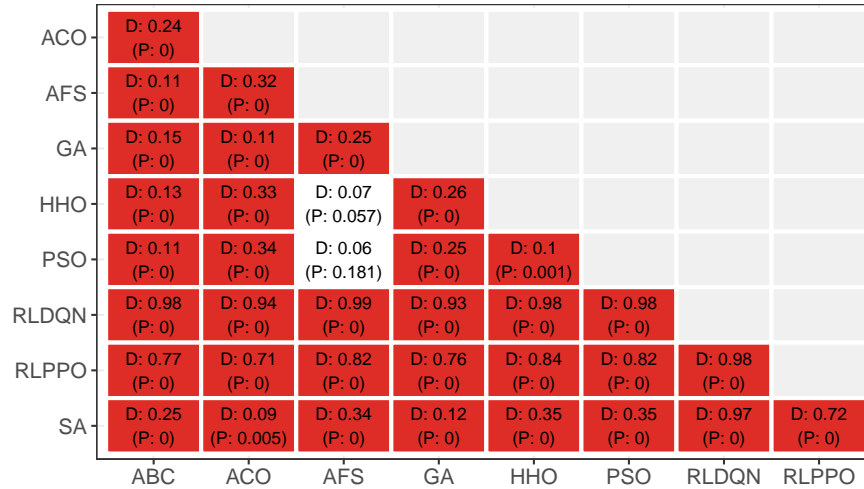
NS P < 0.05 P < 0.01

scenario\_3\_servers\_500\_services\_1\_application\_PWD



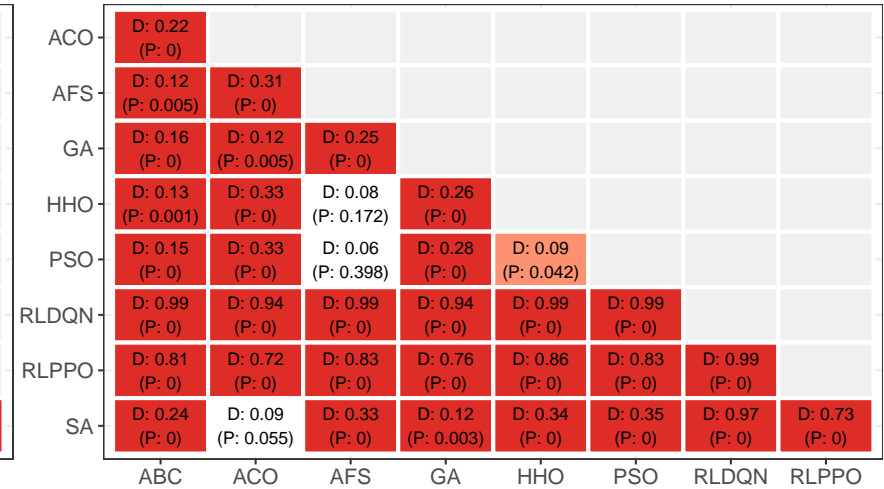
NS P < 0.05 P < 0.01

scenario\_3\_servers\_500\_services\_3\_application\_GENERIC



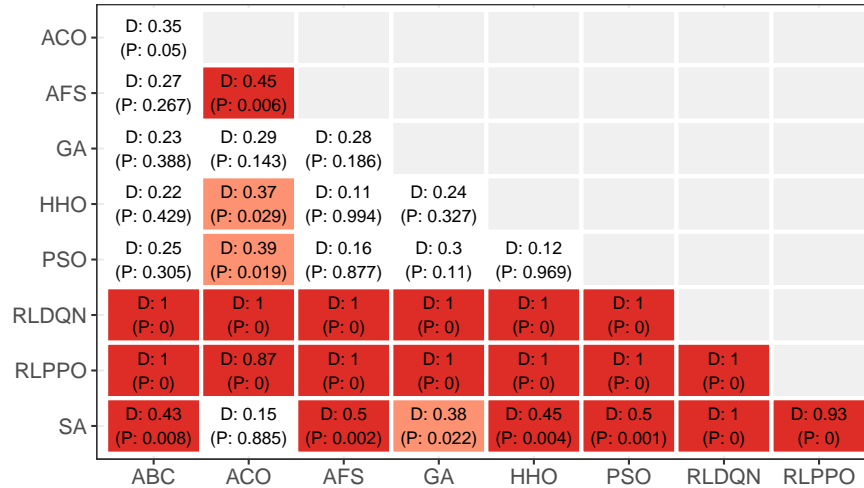
NS P < 0.01

scenario\_3\_servers\_500\_services\_3\_application\_LTS



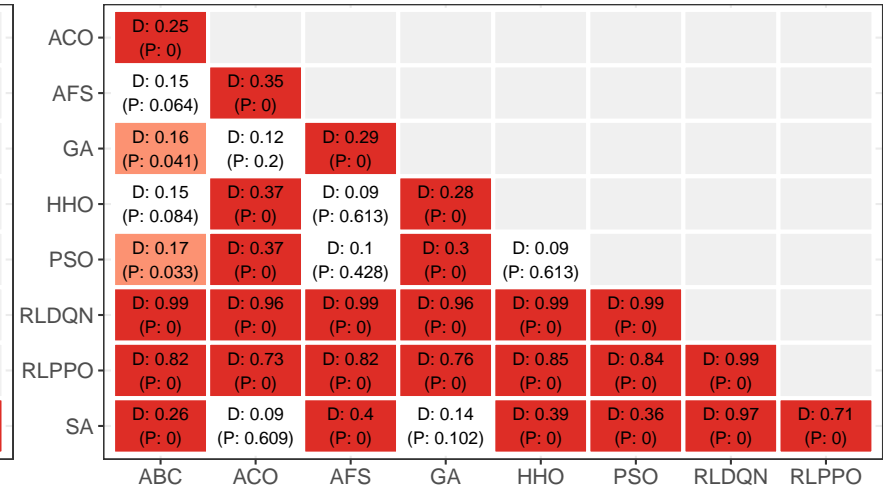
NS P < 0.05 P < 0.01

scenario\_3\_servers\_500\_services\_3\_application\_MMA



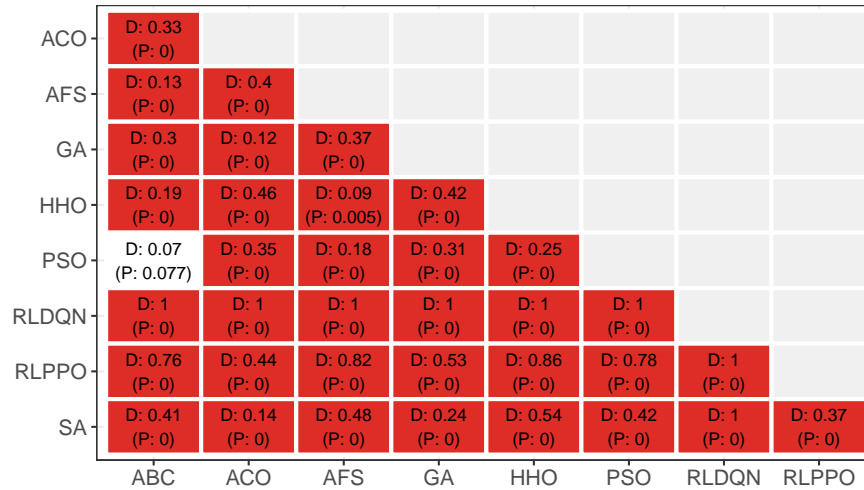
NS P < 0.05 P < 0.01

scenario\_3\_servers\_500\_services\_3\_application\_PWD



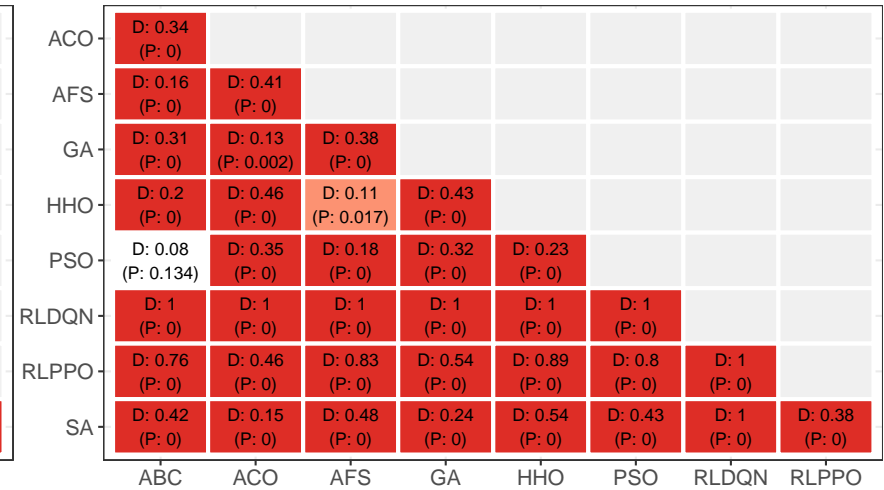
NS P < 0.05 P < 0.01

scenario\_3\_servers\_500\_services\_5\_application\_GENERIC



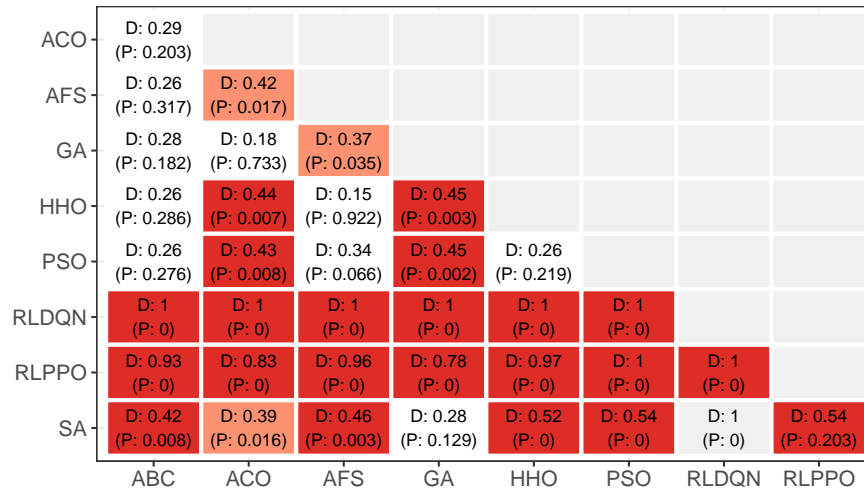
NS P < 0.01

scenario\_3\_servers\_500\_services\_5\_application\_LTS



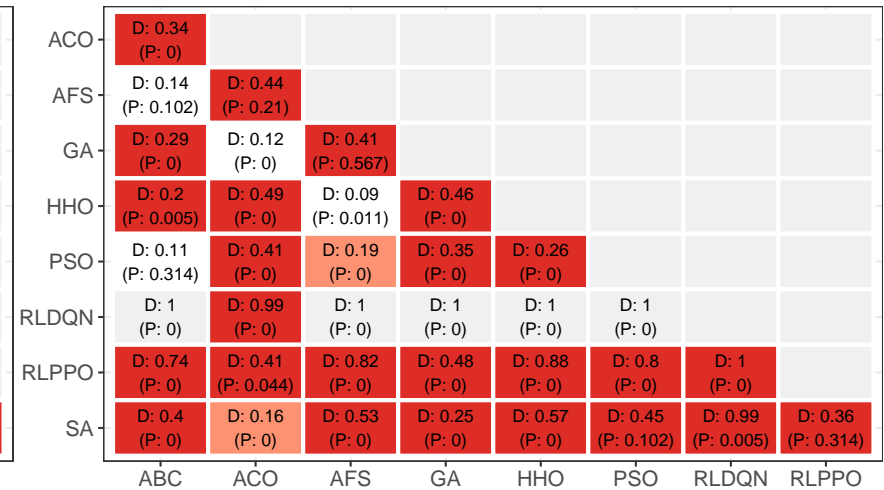
NS P < 0.05 P < 0.01

scenario\_3\_servers\_500\_services\_5\_application\_MMA



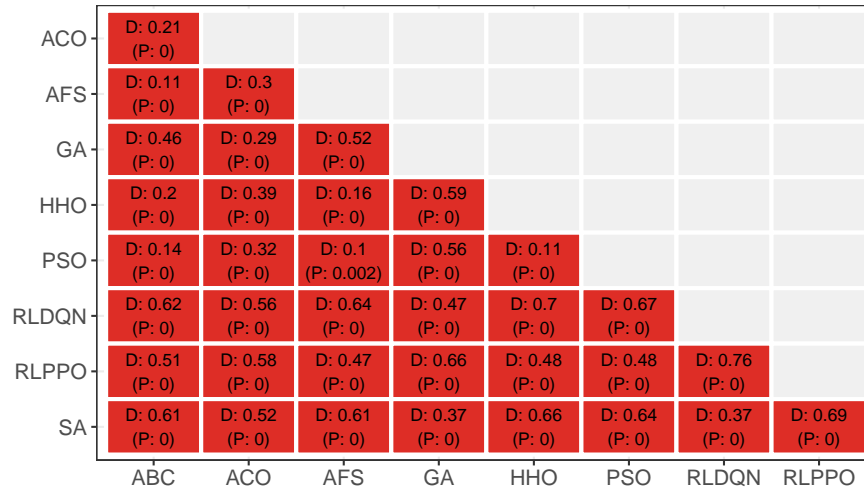
NS P < 0.05 P < 0.01

scenario\_3\_servers\_500\_services\_5\_application\_PWD



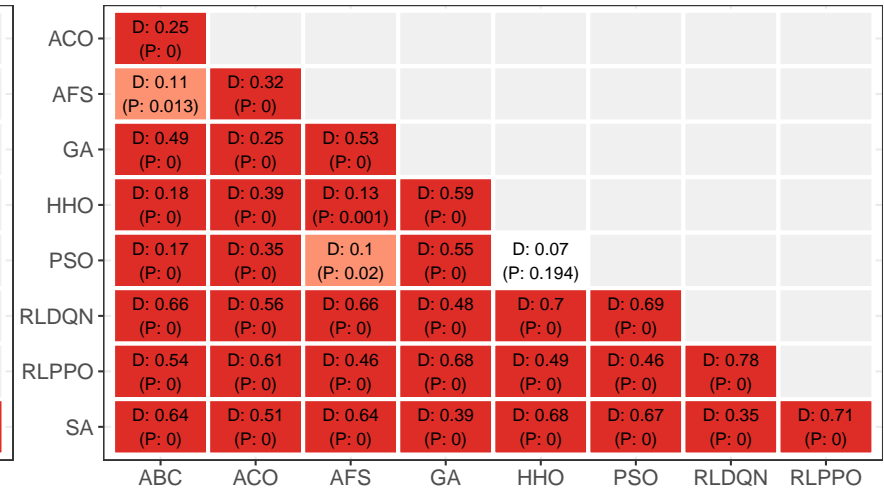
NS P < 0.05 P < 0.01

scenario\_3\_servers\_500\_services\_7\_application\_GENERIC



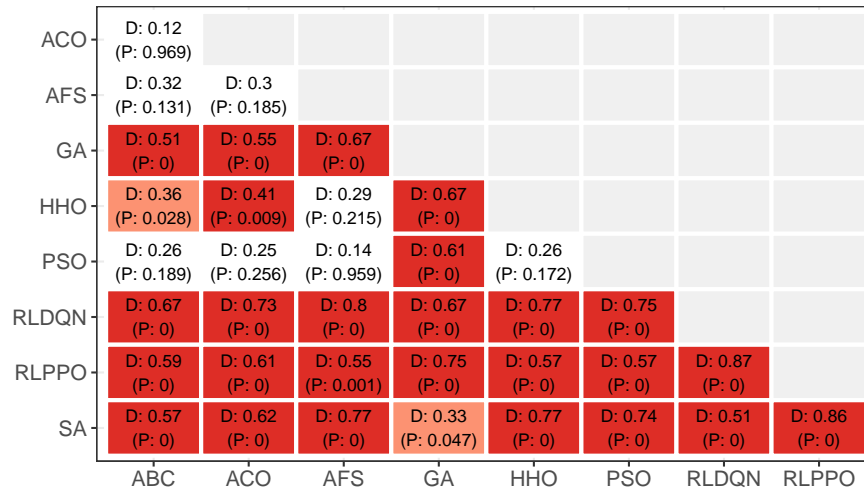
■ P < 0.01

scenario\_3\_servers\_500\_services\_7\_application\_LTS



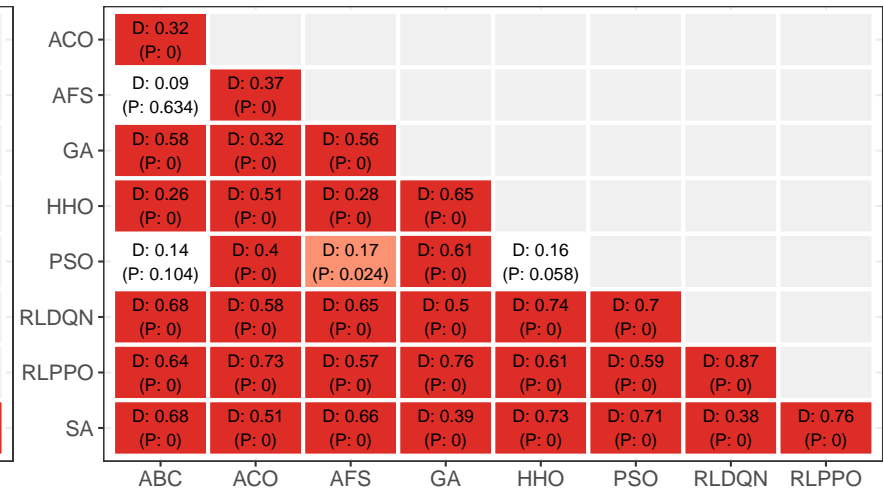
■ NS ■ P < 0.05 ■ P < 0.01

scenario\_3\_servers\_500\_services\_7\_application\_MMA



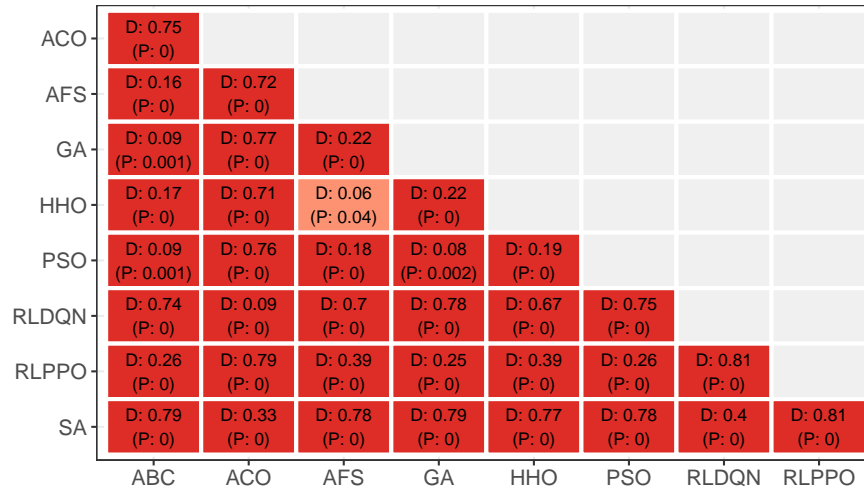
■ NS ■ P < 0.05 ■ P < 0.01

scenario\_3\_servers\_500\_services\_7\_application\_PWD



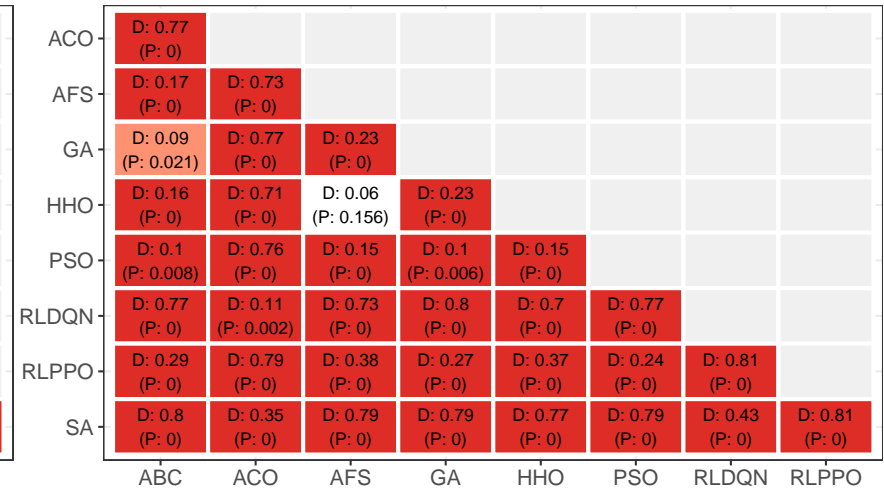
■ NS ■ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_100\_services\_1\_application\_GENERIC



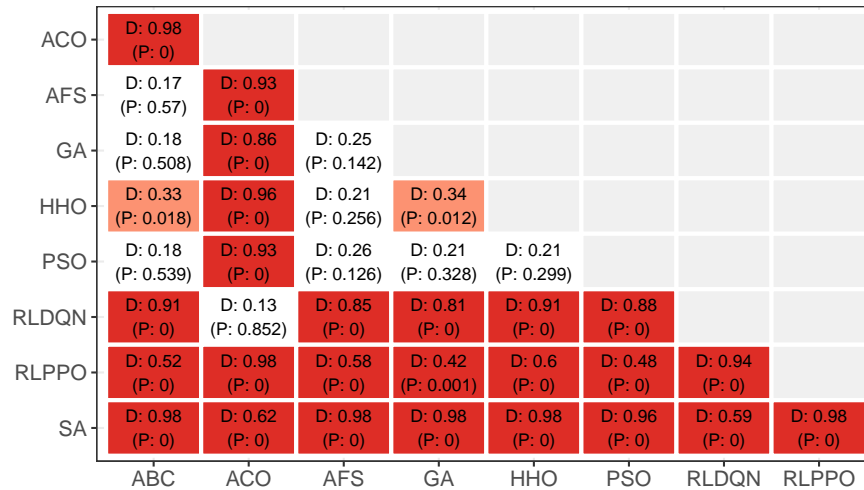
P < 0.05
  P < 0.01

scenario\_4\_servers\_100\_services\_1\_application\_LTS



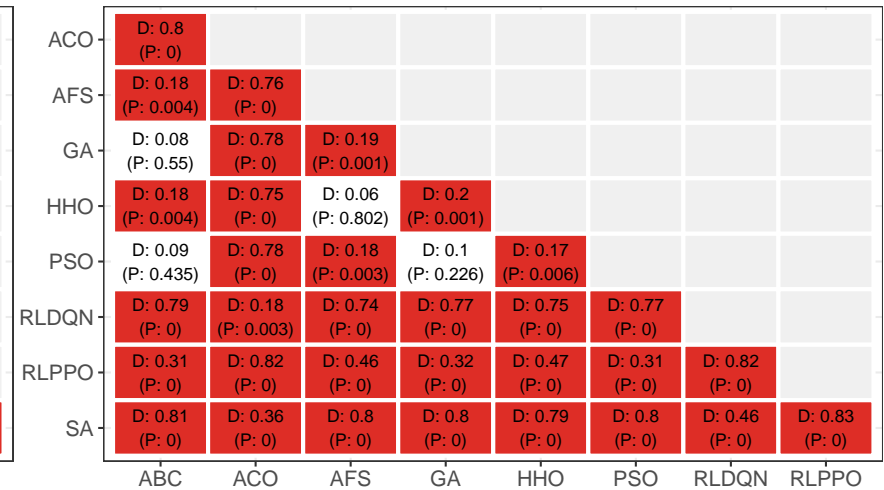
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_100\_services\_1\_application\_MMA



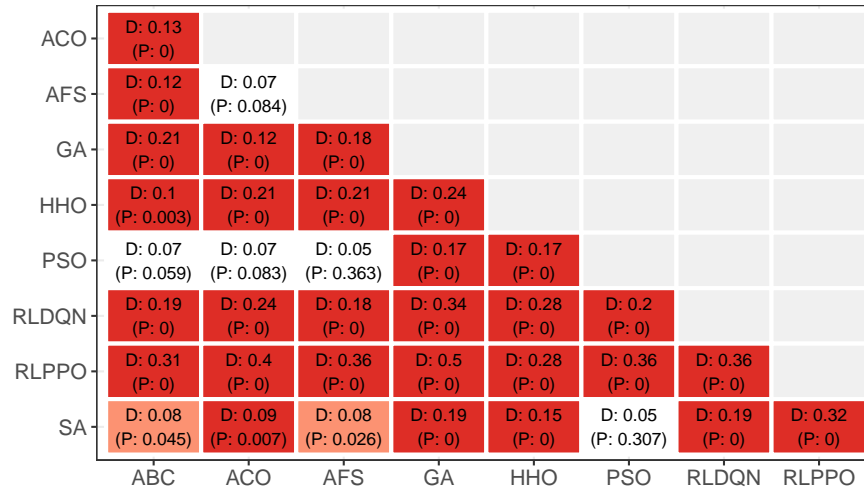
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_100\_services\_1\_application\_PWD



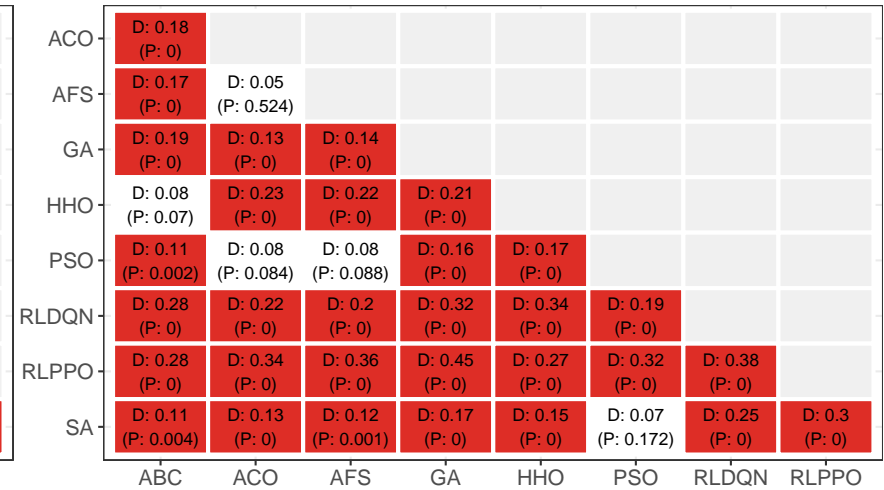
NS
  P < 0.01

scenario\_4\_servers\_100\_services\_3\_application\_GENERIC



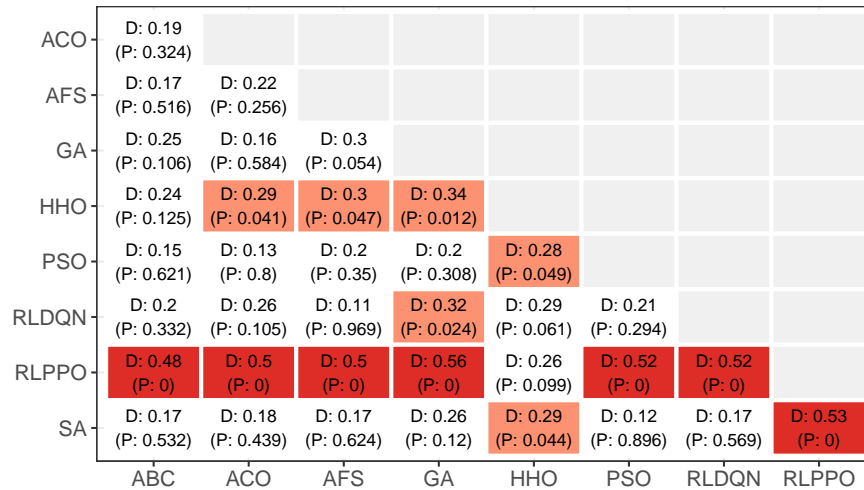
□ NS □ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_100\_services\_3\_application\_LTS



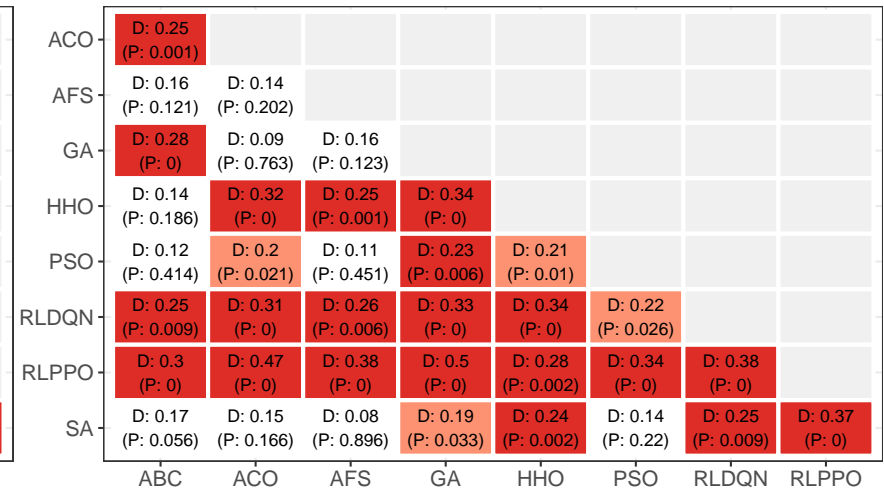
□ NS ■ P < 0.01

scenario\_4\_servers\_100\_services\_3\_application\_MMA



□ NS □ P < 0.05 ■ P < 0.01

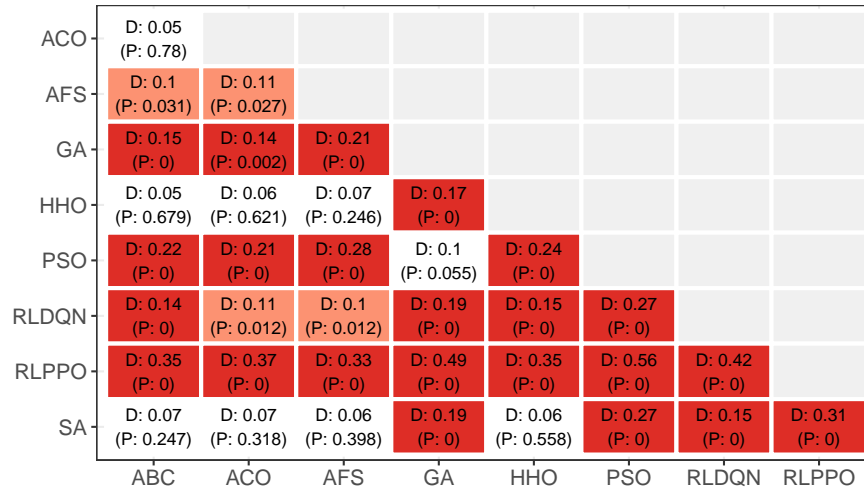
scenario\_4\_servers\_100\_services\_3\_application\_PWD



□ NS □ P < 0.05 ■ P < 0.01

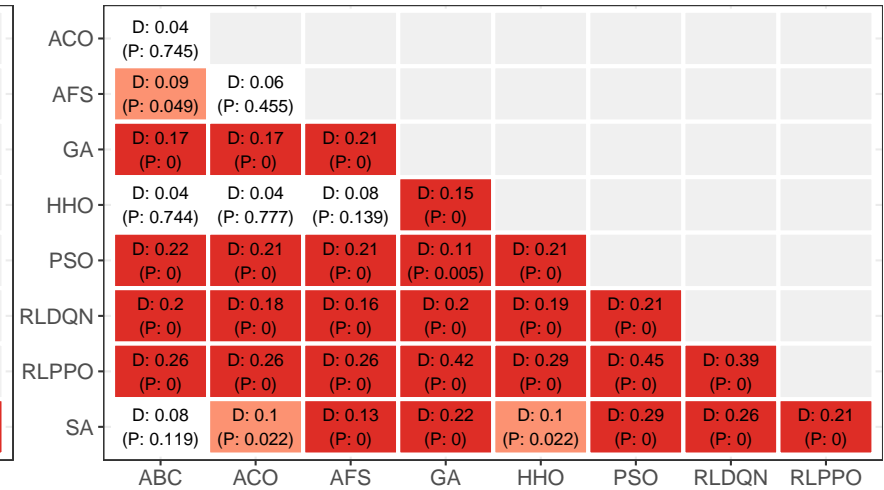


scenario\_4\_servers\_100\_services\_5\_application\_GENERIC



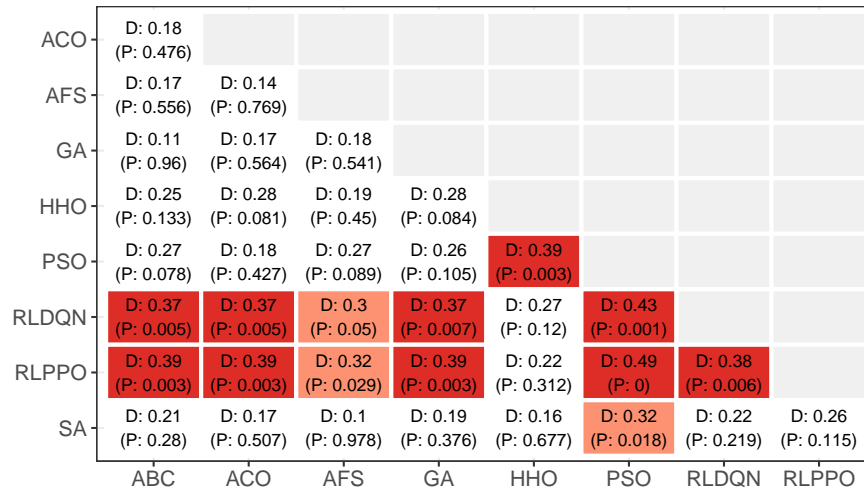
NS P < 0.05 P < 0.01

scenario\_4\_servers\_100\_services\_5\_application\_LTS



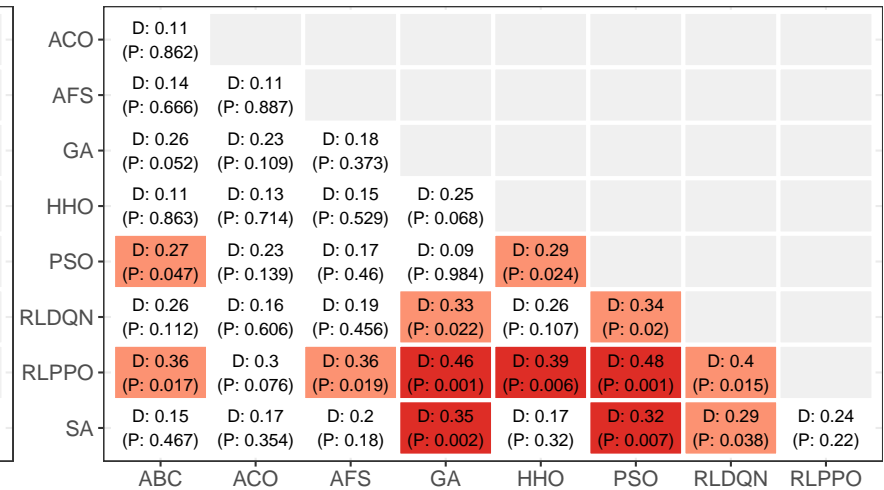
NS P < 0.05 P < 0.01

scenario\_4\_servers\_100\_services\_5\_application\_MMA



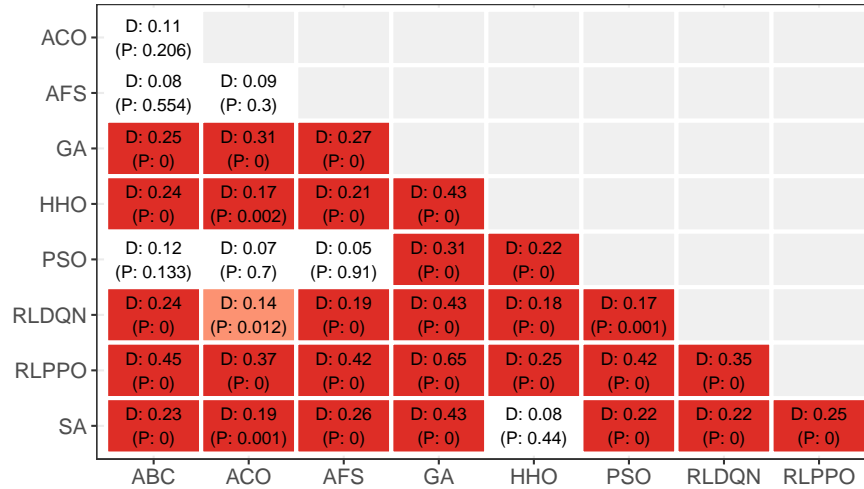
NS P < 0.05 P < 0.01

scenario\_4\_servers\_100\_services\_5\_application\_PWD



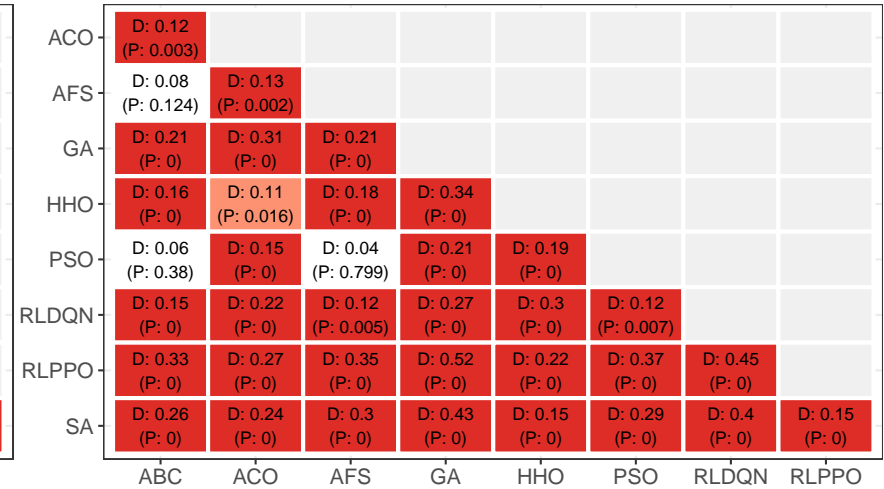
NS P < 0.05 P < 0.01

scenario\_4\_servers\_100\_services\_7\_application\_GENERIC



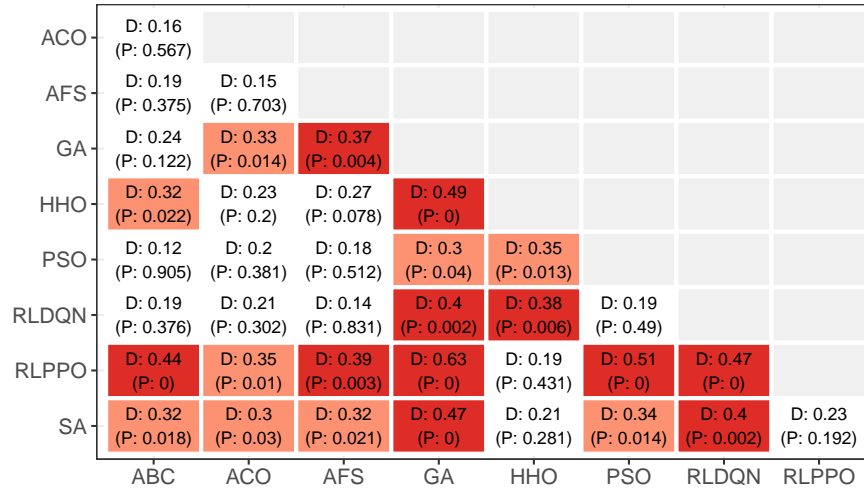
□ NS □ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_100\_services\_7\_application\_LTS



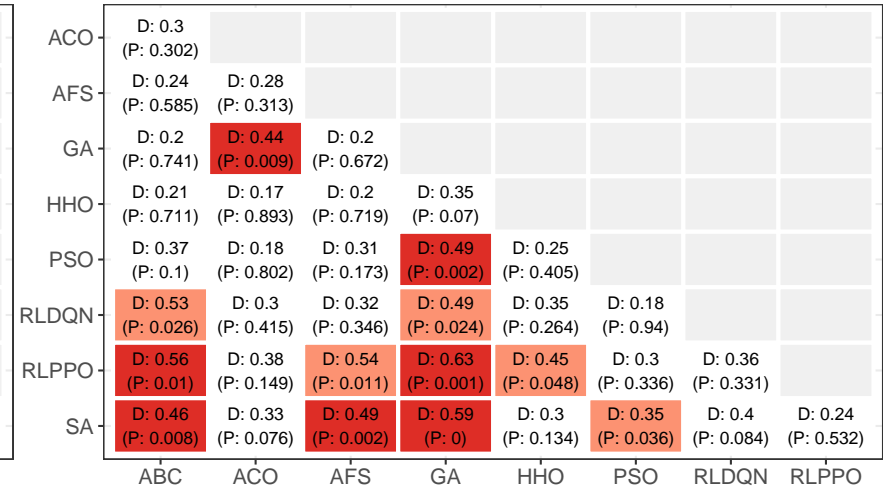
□ NS □ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_100\_services\_7\_application\_MMA



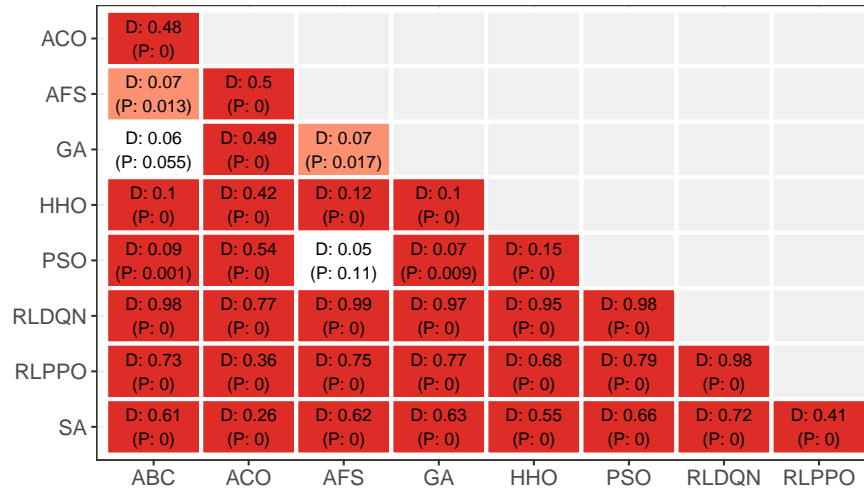
□ NS □ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_100\_services\_7\_application\_PWD



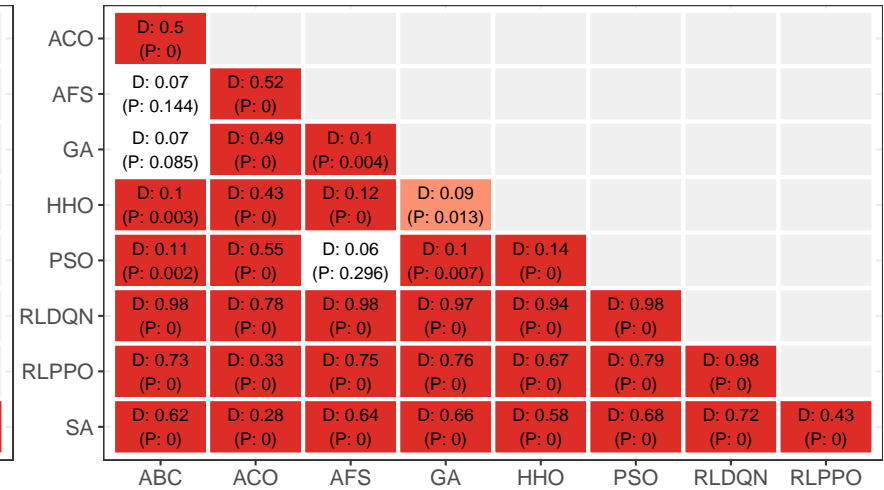
□ NS □ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_200\_services\_1\_application\_GENERIC



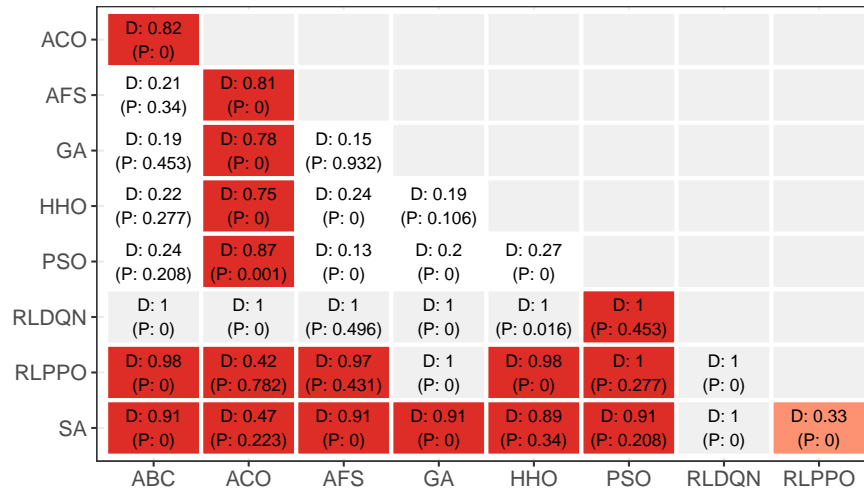
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_200\_services\_1\_application\_LTS



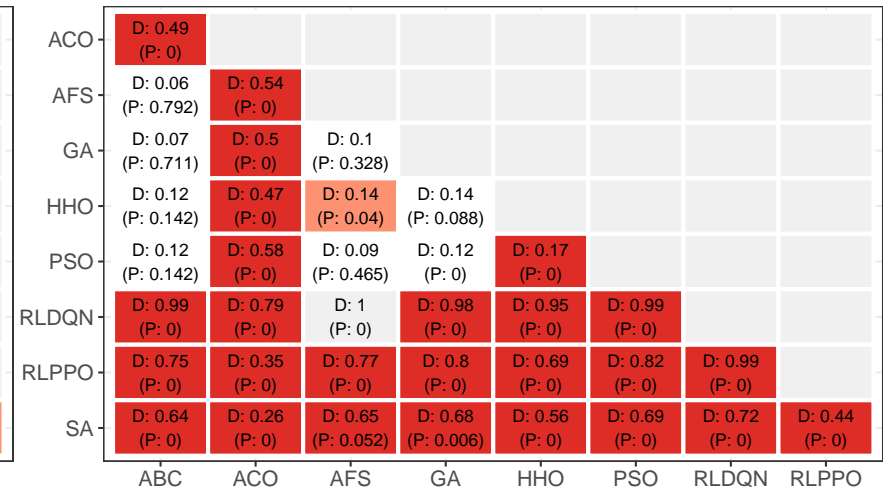
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_200\_services\_1\_application\_MMA



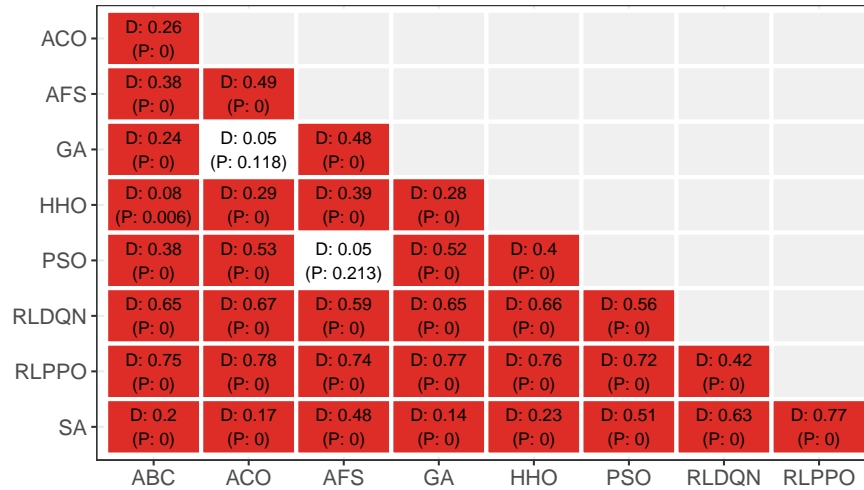
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_200\_services\_1\_application\_PWD



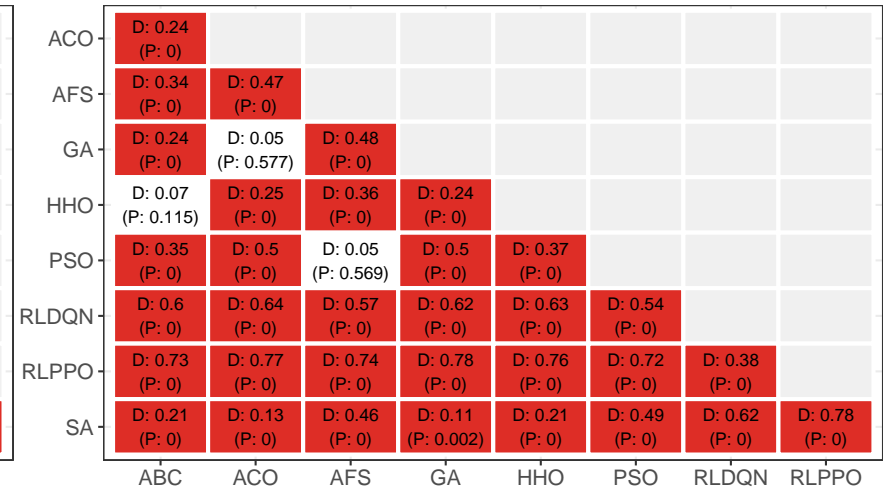
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_200\_services\_3\_application\_GENERIC



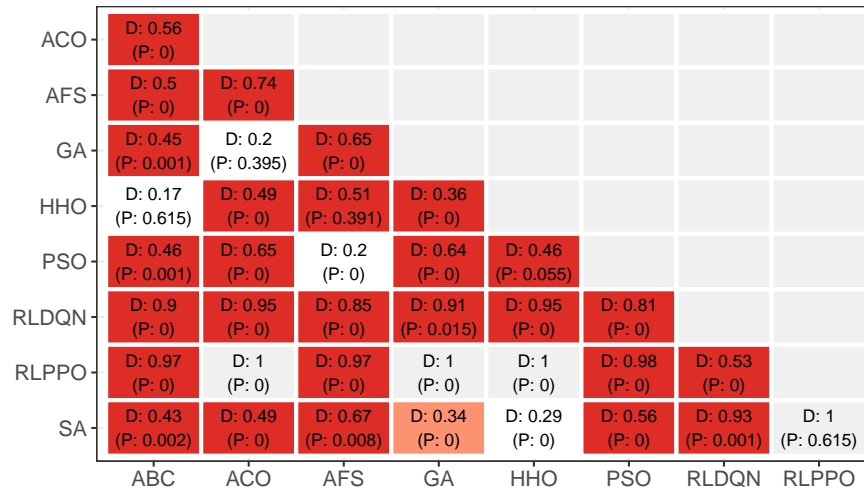
□ NS □ P < 0.01

scenario\_4\_servers\_200\_services\_3\_application\_LTS



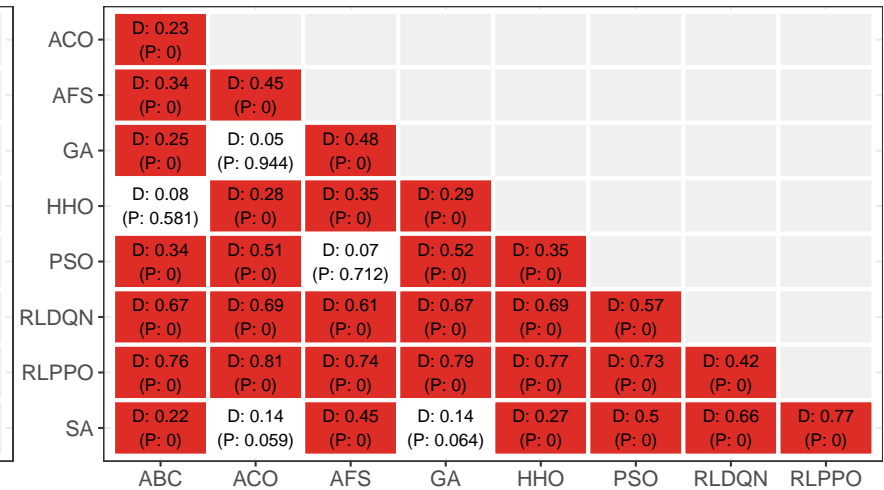
□ NS □ P < 0.01

scenario\_4\_servers\_200\_services\_3\_application\_MMA



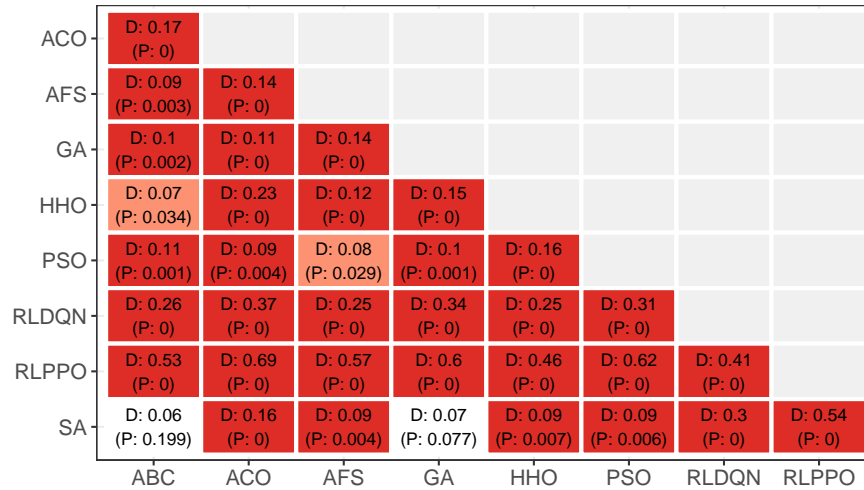
□ NS □ P < 0.05 □ P < 0.01

scenario\_4\_servers\_200\_services\_3\_application\_PWD



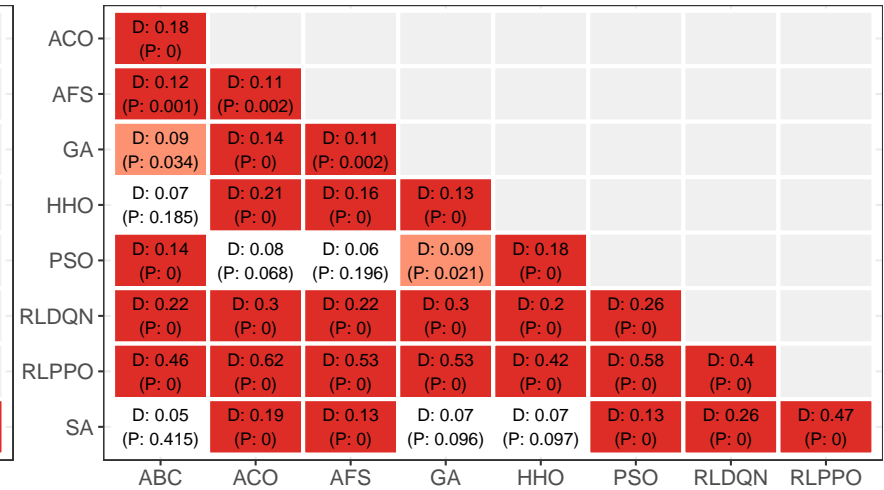
□ NS □ P < 0.01

scenario\_4\_servers\_200\_services\_5\_application\_GENERIC



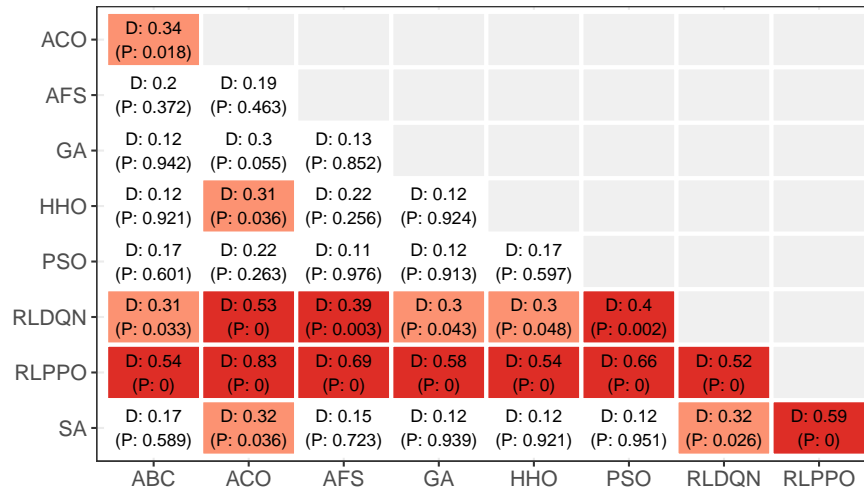
□ NS □ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_200\_services\_5\_application\_LTS



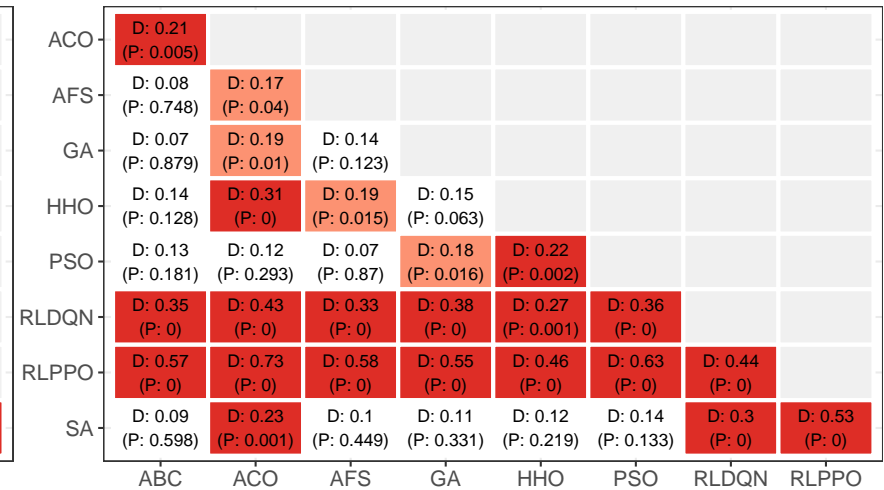
□ NS □ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_200\_services\_5\_application\_MMA



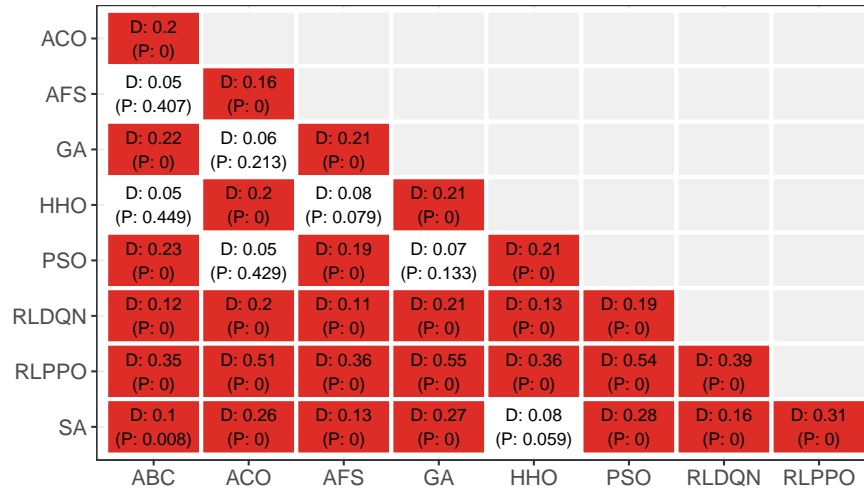
□ NS □ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_200\_services\_5\_application\_PWD



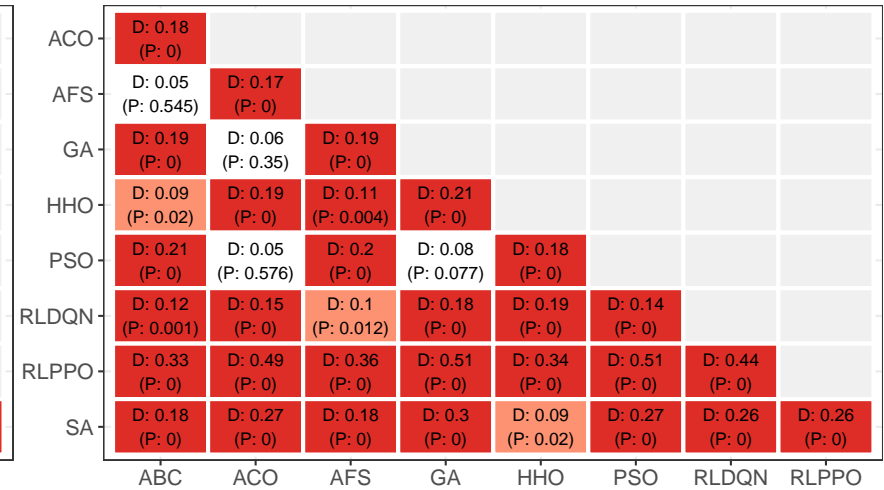
□ NS □ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_200\_services\_7\_application\_GENERIC



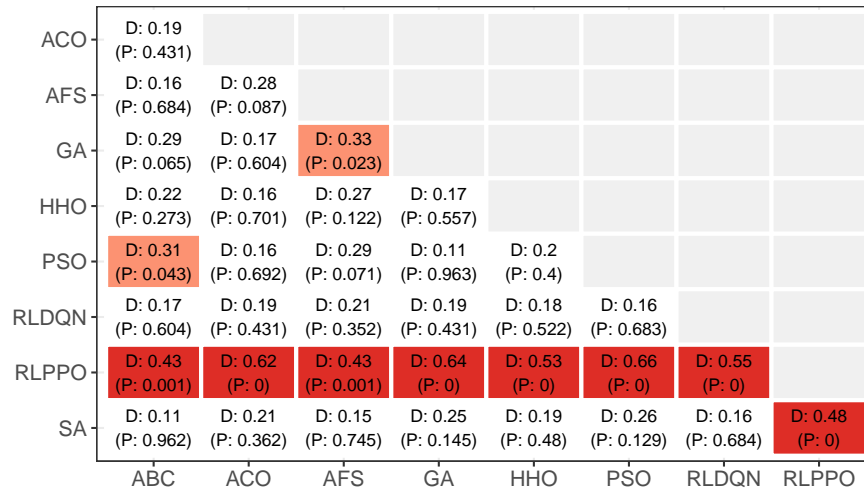
NS P < 0.01

scenario\_4\_servers\_200\_services\_7\_application\_LTS



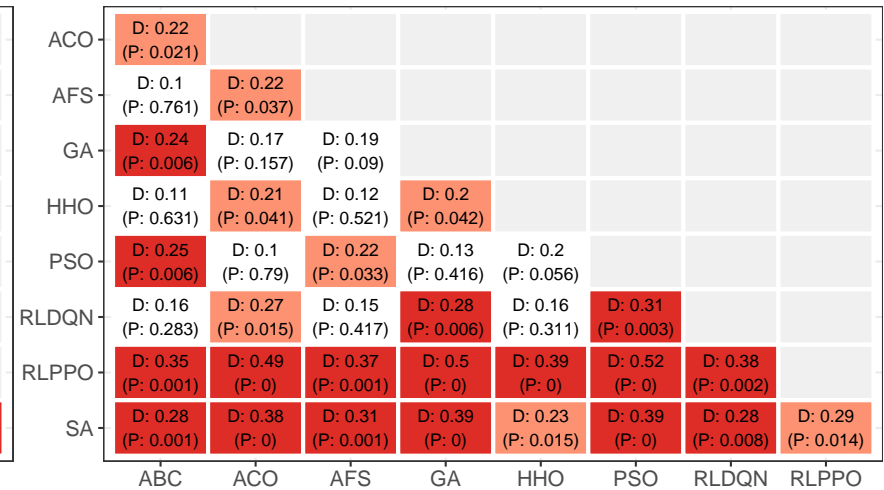
NS P < 0.05 P < 0.01

scenario\_4\_servers\_200\_services\_7\_application\_MMA



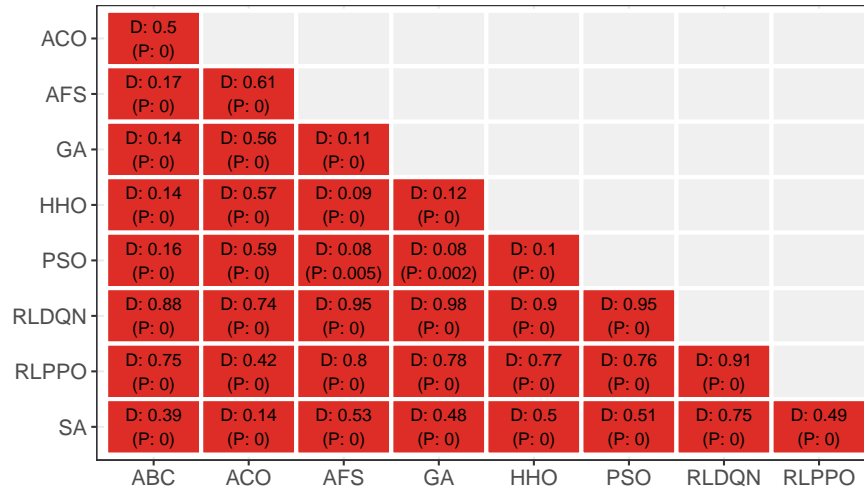
NS P < 0.05 P < 0.01

scenario\_4\_servers\_200\_services\_7\_application\_PWD



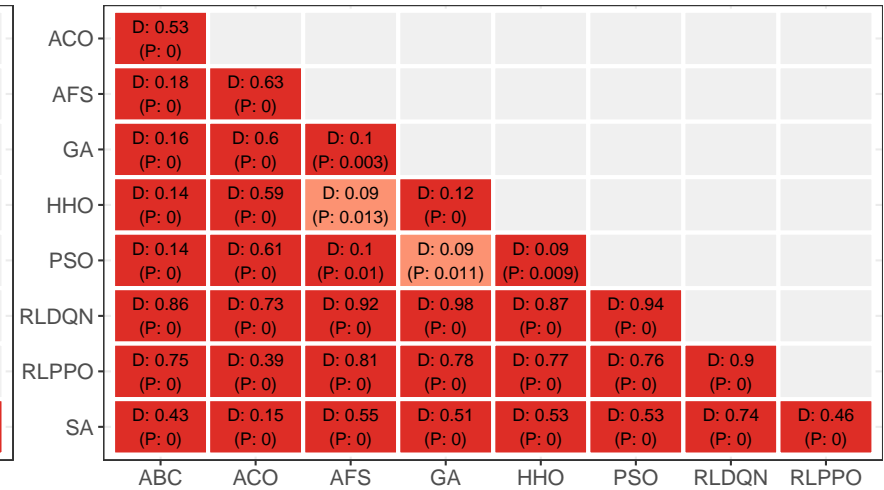
NS P < 0.05 P < 0.01

scenario\_4\_servers\_300\_services\_1\_application\_GENERIC



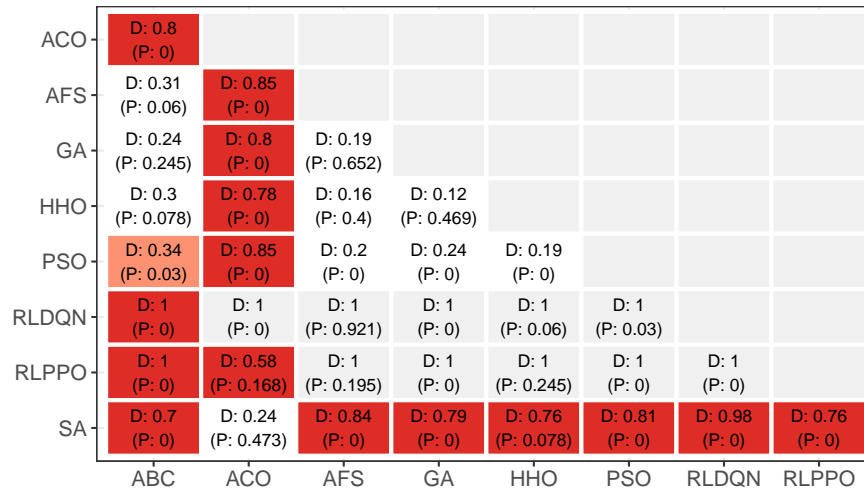
 P < 0.01




scenario\_4\_servers\_300\_services\_1\_application\_LTS



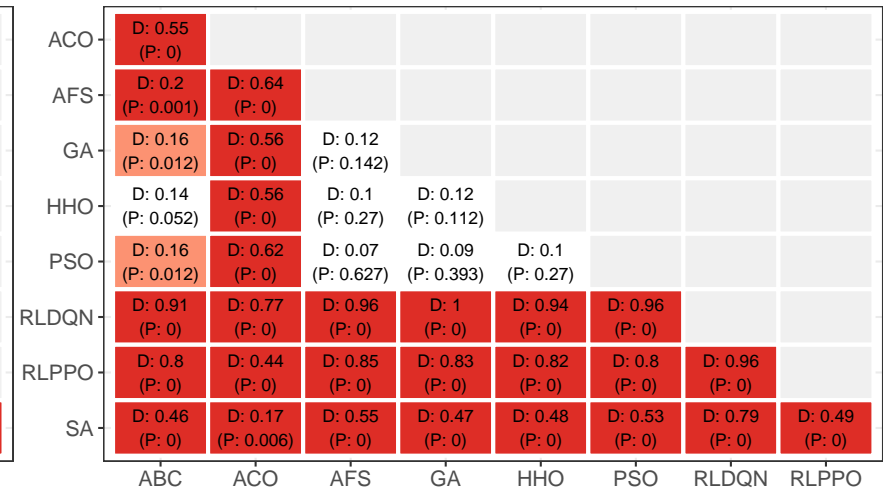
 P < 0.05  P < 0.01




scenario\_4\_servers\_300\_services\_1\_application\_MMA



 NS  P < 0.05  P < 0.01

scenario\_4\_servers\_300\_services\_1\_application\_PWD



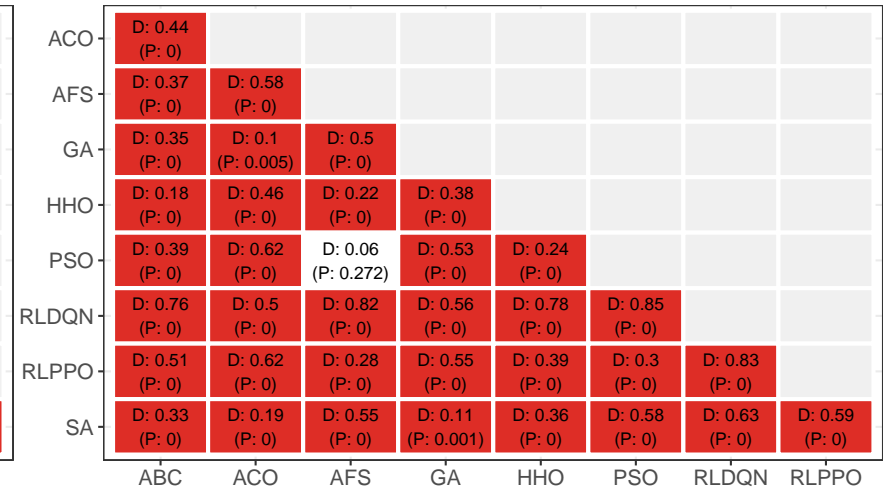
 NS  P < 0.05  P < 0.01

scenario\_4\_servers\_300\_services\_3\_application\_GENERIC



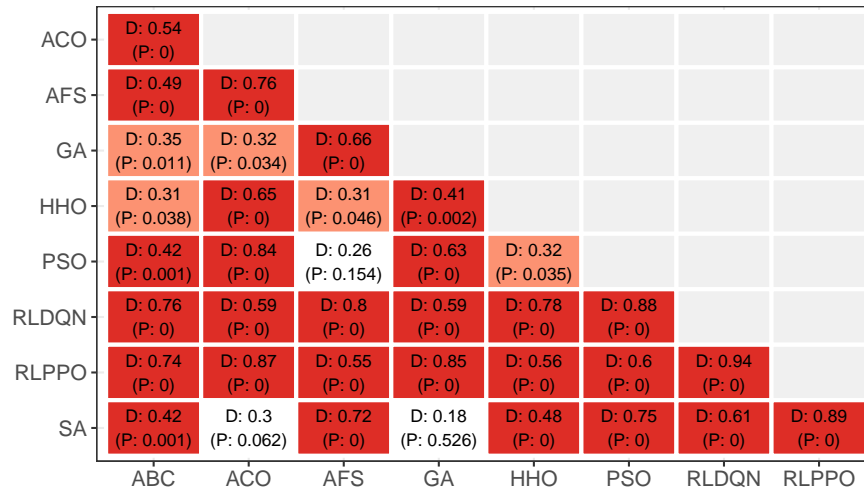
P < 0.05
 P < 0.01

scenario\_4\_servers\_300\_services\_3\_application\_LTS



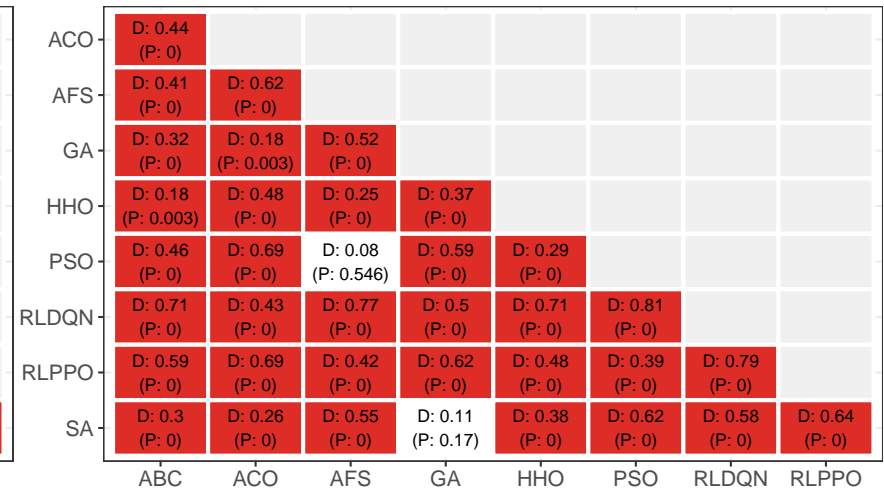
NS
 P < 0.01

scenario\_4\_servers\_300\_services\_3\_application\_MMA



NS
 P < 0.05
 P < 0.01

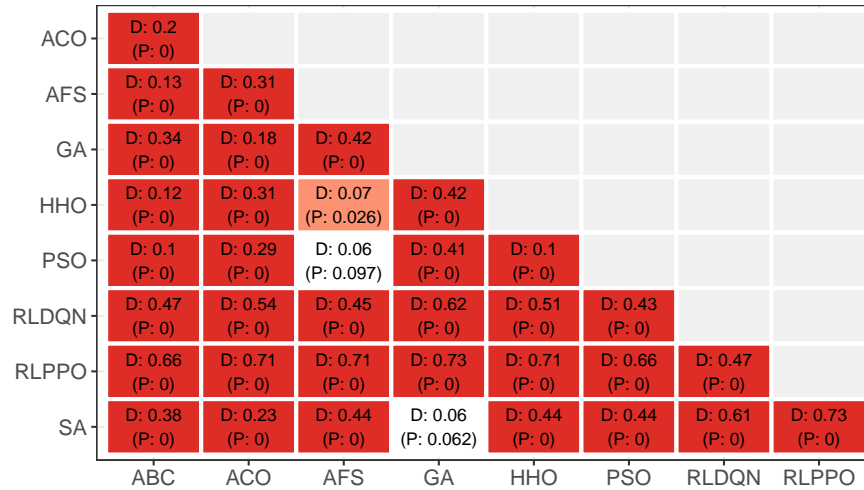
scenario\_4\_servers\_300\_services\_3\_application\_PWD



NS
 P < 0.01

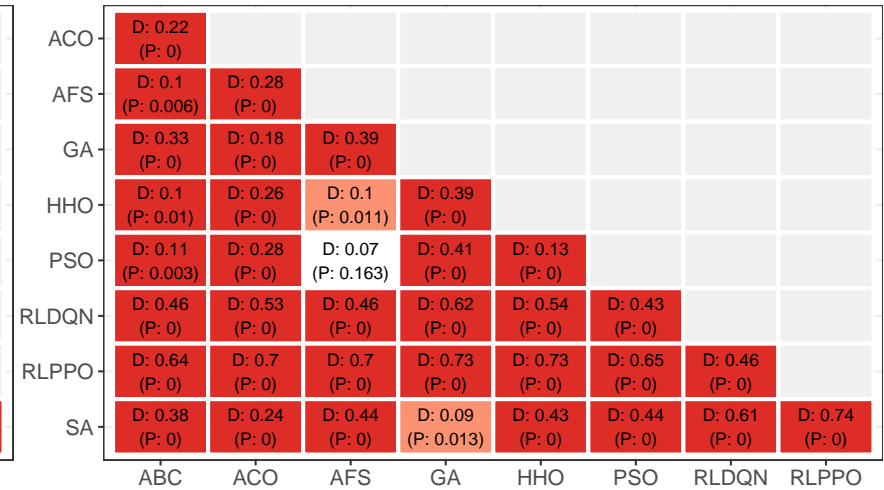


scenario\_4\_servers\_300\_services\_5\_application\_GENERIC



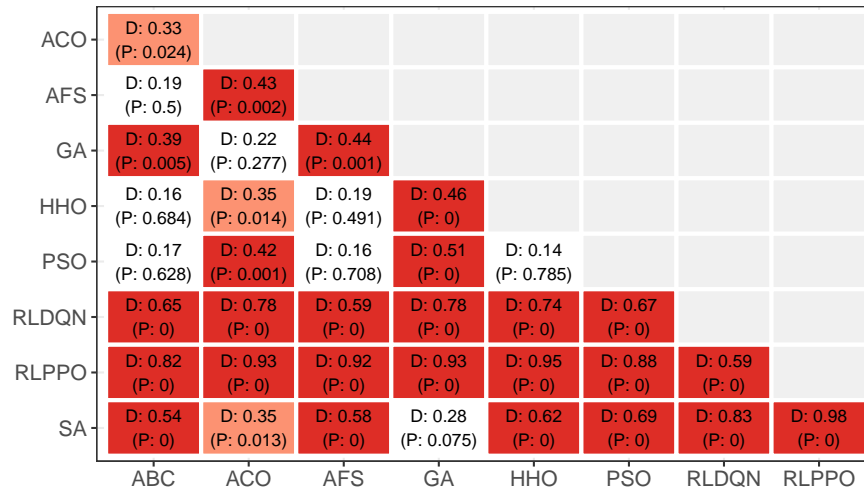
NS P < 0.05 P < 0.01

scenario\_4\_servers\_300\_services\_5\_application\_LTS



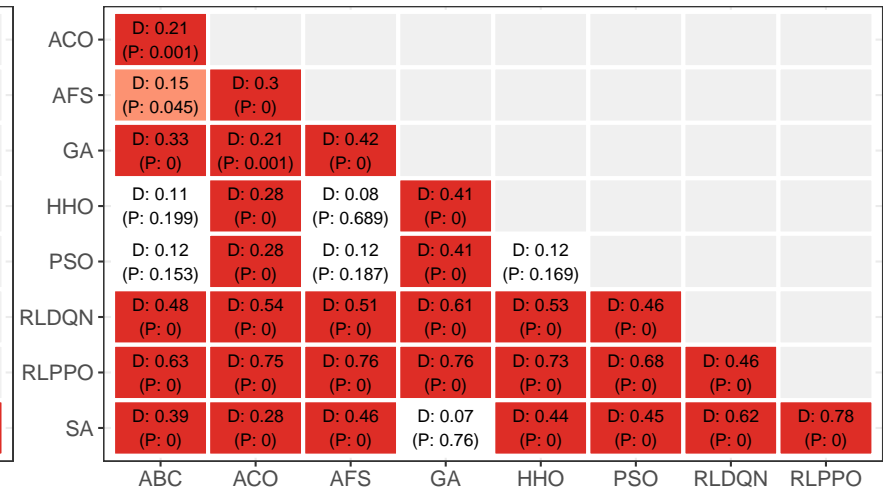
NS P < 0.05 P < 0.01

scenario\_4\_servers\_300\_services\_5\_application\_MMA



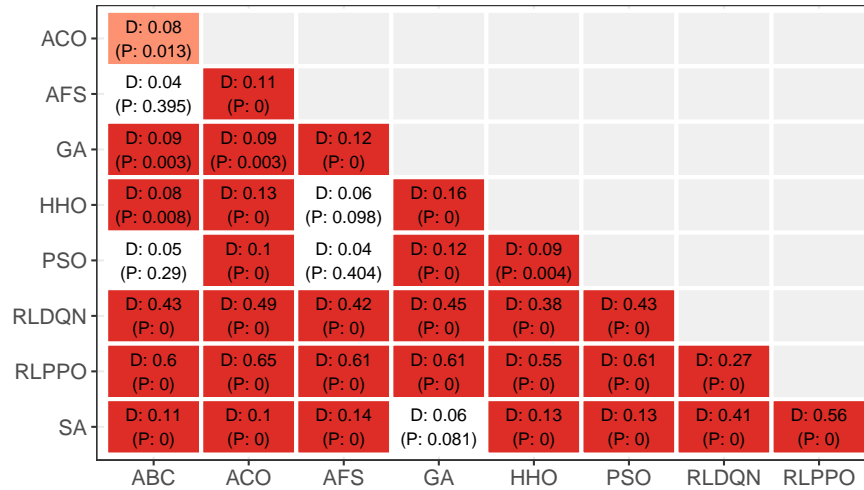
NS P < 0.05 P < 0.01

scenario\_4\_servers\_300\_services\_5\_application\_PWD



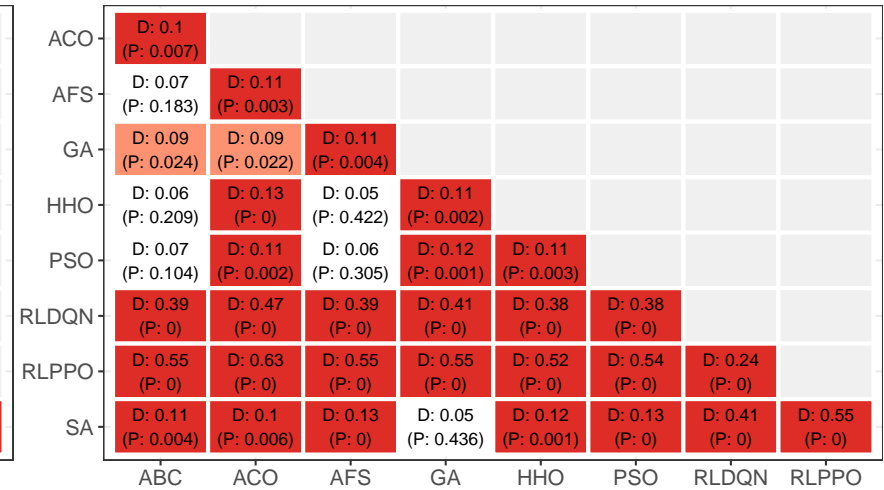
NS P < 0.05 P < 0.01

scenario\_4\_servers\_300\_services\_7\_application\_GENERIC



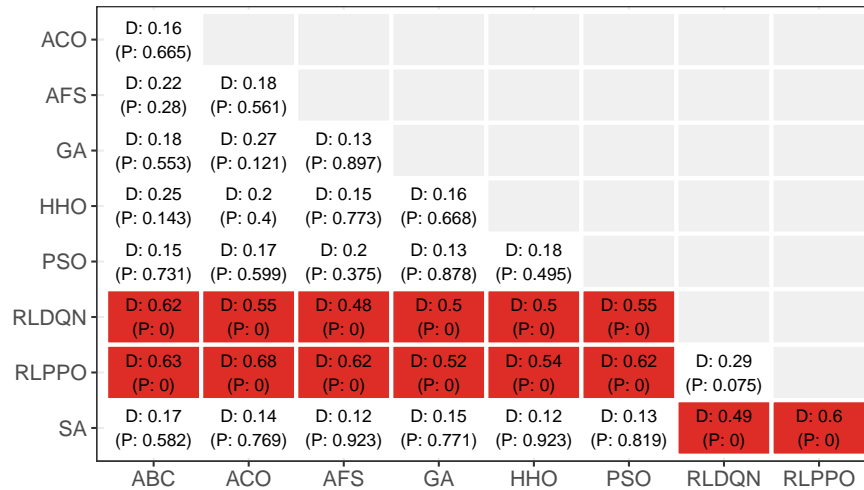
NS P < 0.05 P < 0.01

scenario\_4\_servers\_300\_services\_7\_application\_LTS



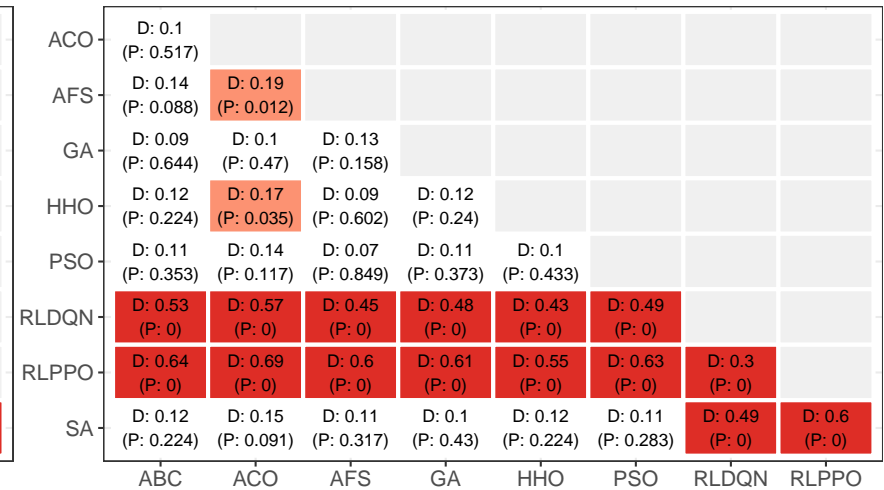
NS P < 0.05 P < 0.01

scenario\_4\_servers\_300\_services\_7\_application\_MMA



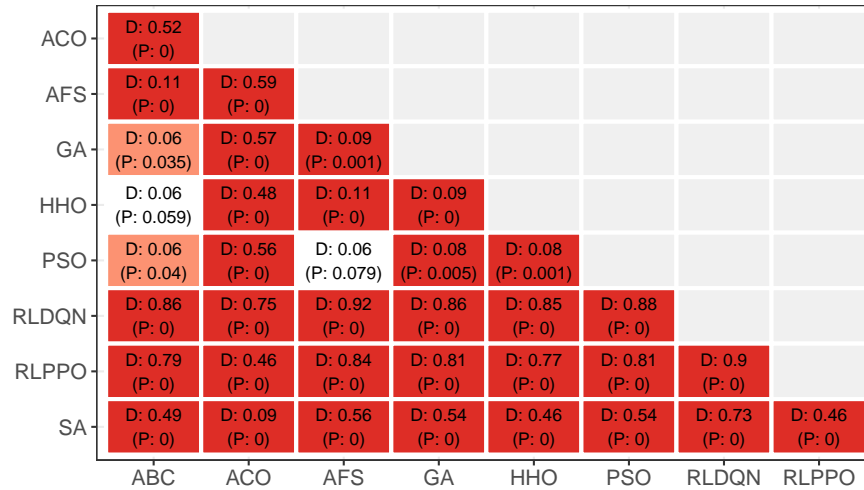
NS P < 0.01

scenario\_4\_servers\_300\_services\_7\_application\_PWD



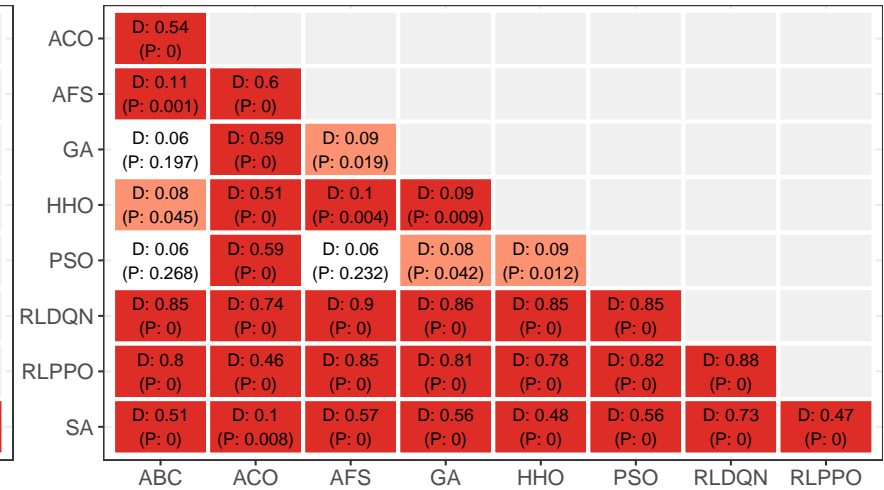
NS P < 0.05 P < 0.01

scenario\_4\_servers\_400\_services\_1\_application\_GENERIC



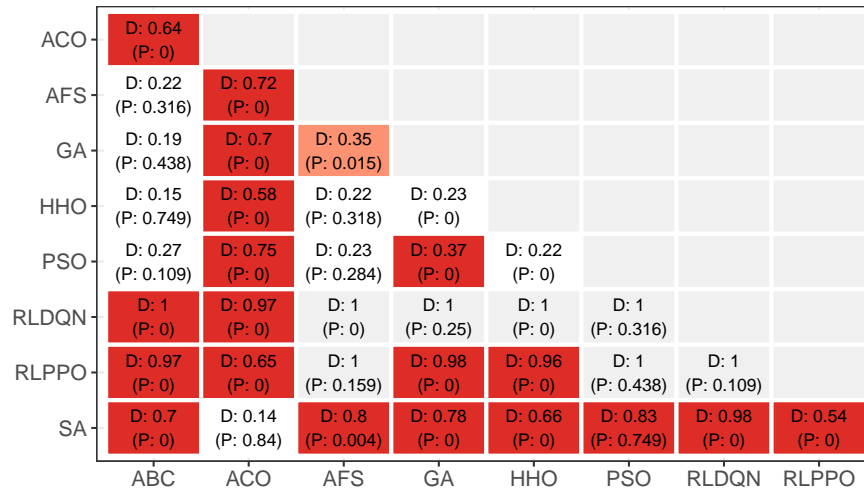
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_400\_services\_1\_application\_LTS



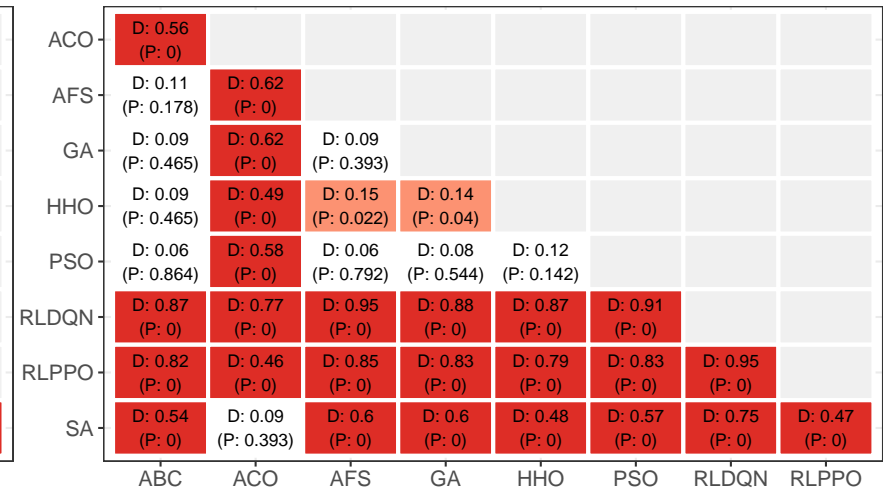
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_400\_services\_1\_application\_MMA



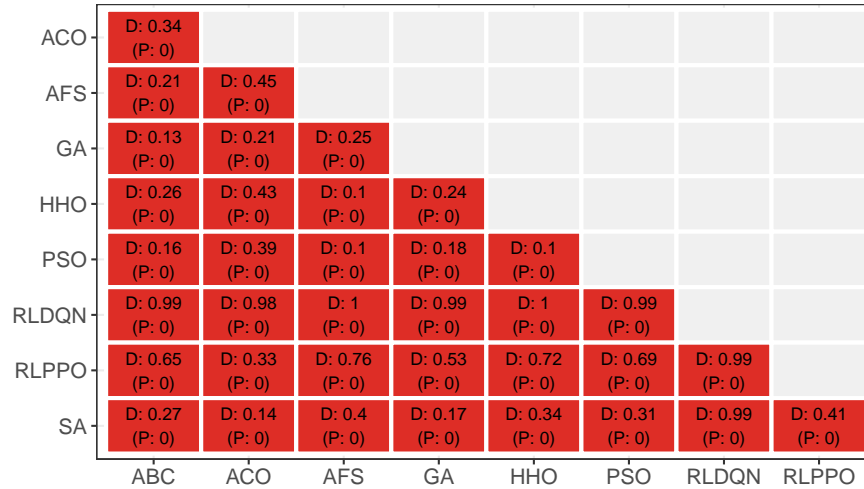
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_400\_services\_1\_application\_PWD



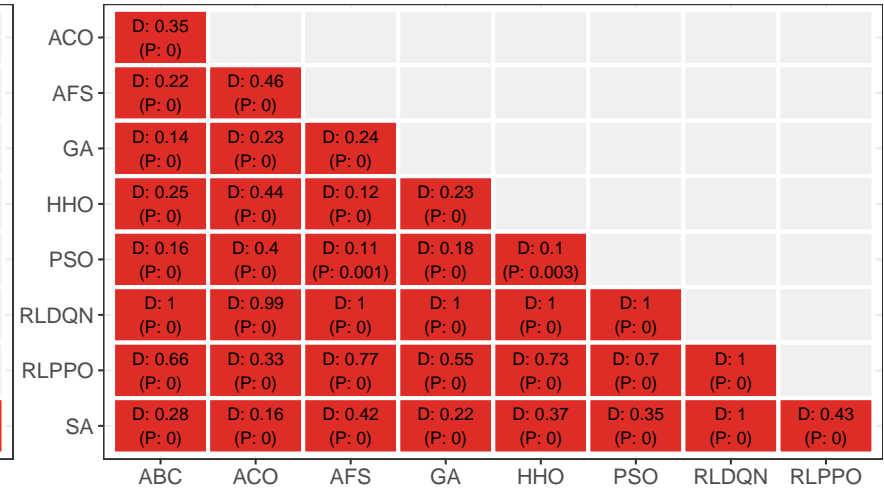
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_400\_services\_3\_application\_GENERIC



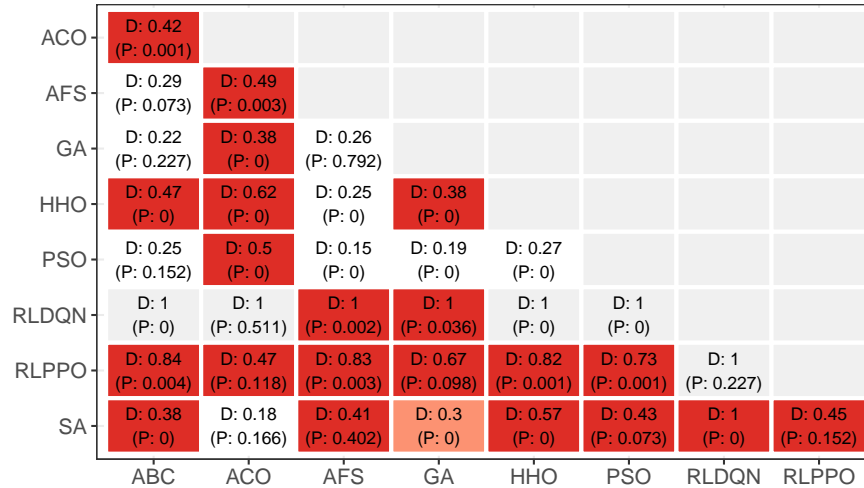
 P < 0.01




scenario\_4\_servers\_400\_services\_3\_application\_LTS



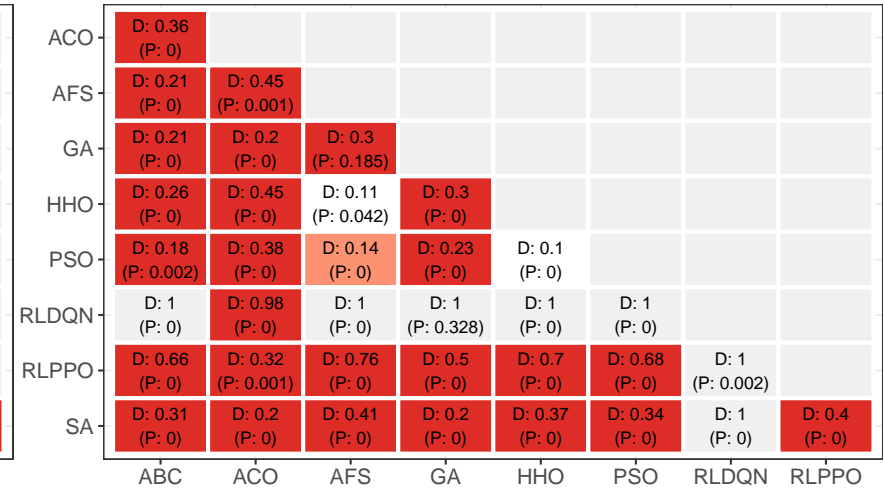
 P < 0.01




scenario\_4\_servers\_400\_services\_3\_application\_MMA



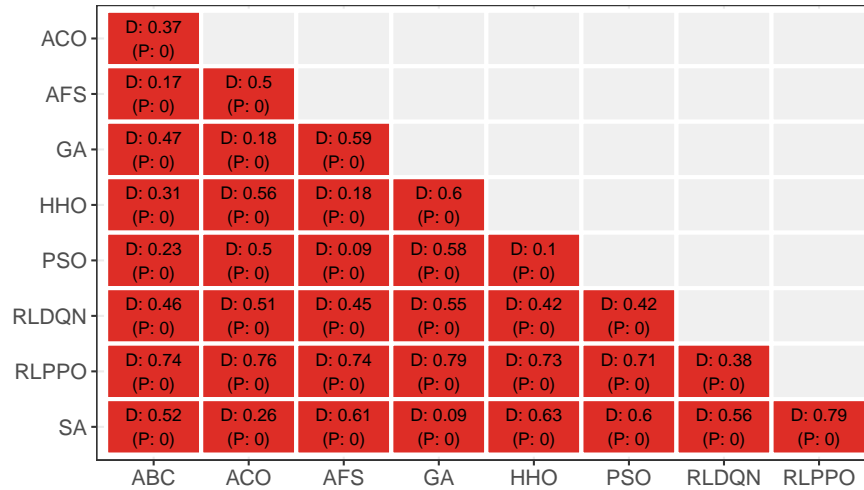
 NS  P < 0.05  P < 0.01

scenario\_4\_servers\_400\_services\_3\_application\_PWD



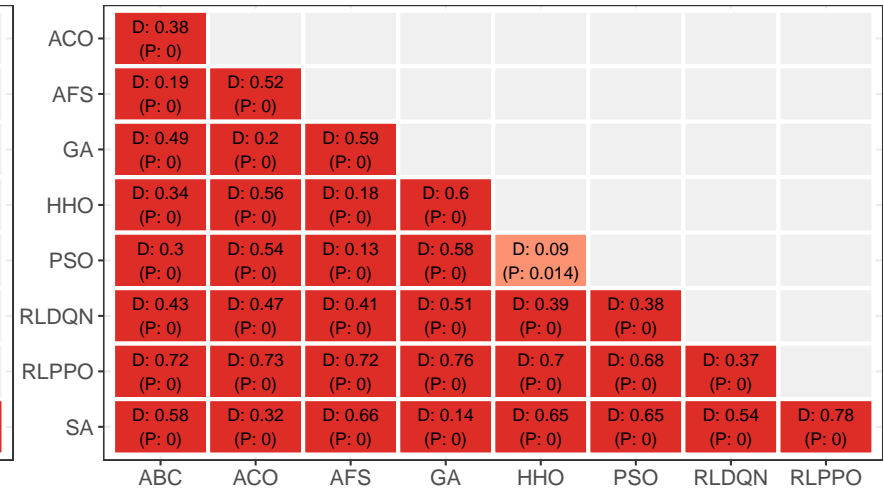
 NS  P < 0.05  P < 0.01

scenario\_4\_servers\_400\_services\_5\_application\_GENERIC



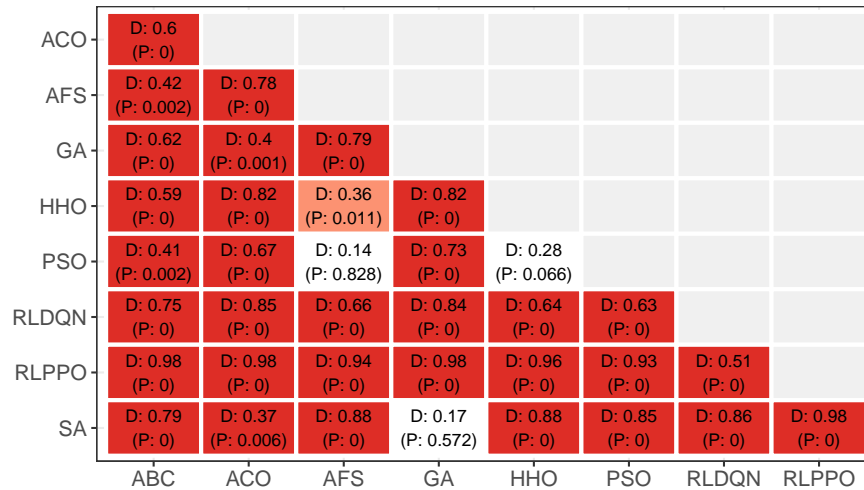
■ P < 0.01

scenario\_4\_servers\_400\_services\_5\_application\_LTS



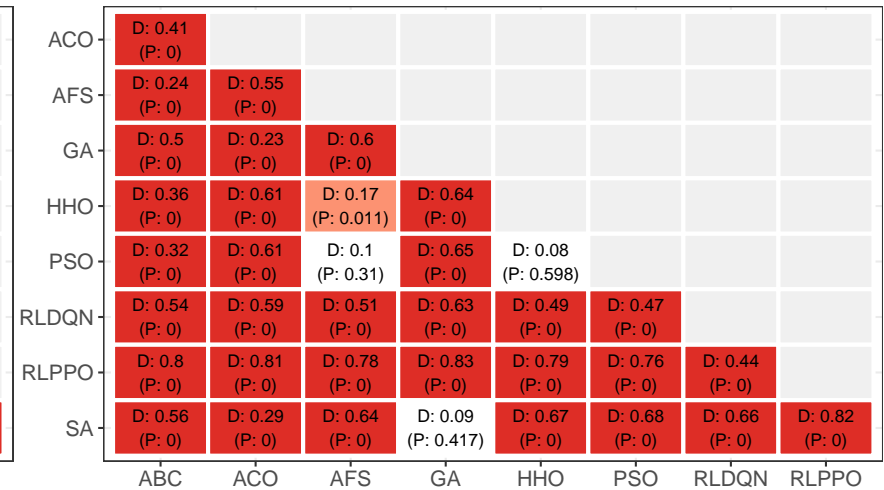
■ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_400\_services\_5\_application\_MMA



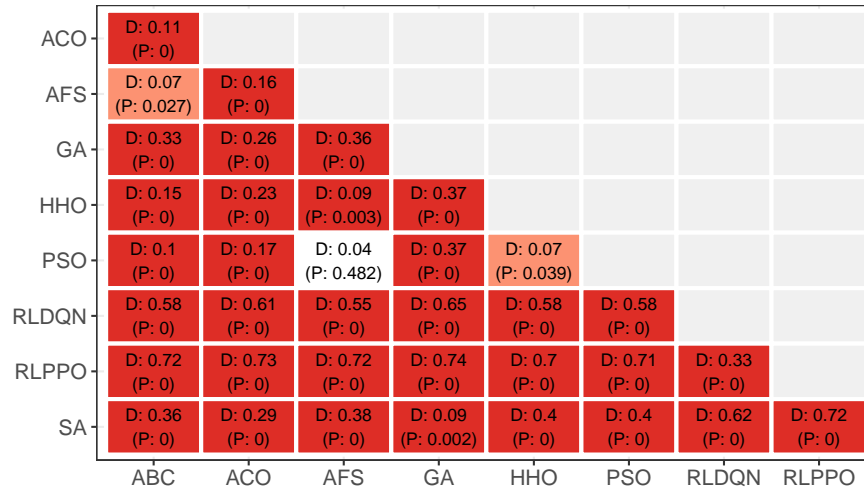
□ NS ■ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_400\_services\_5\_application\_PWD



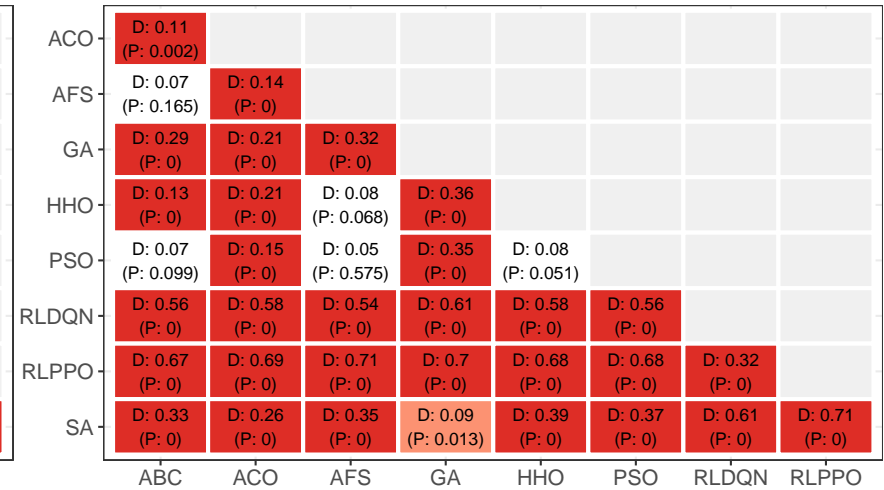
□ NS ■ P < 0.05 ■ P < 0.01

scenario\_4\_servers\_400\_services\_7\_application\_GENERIC



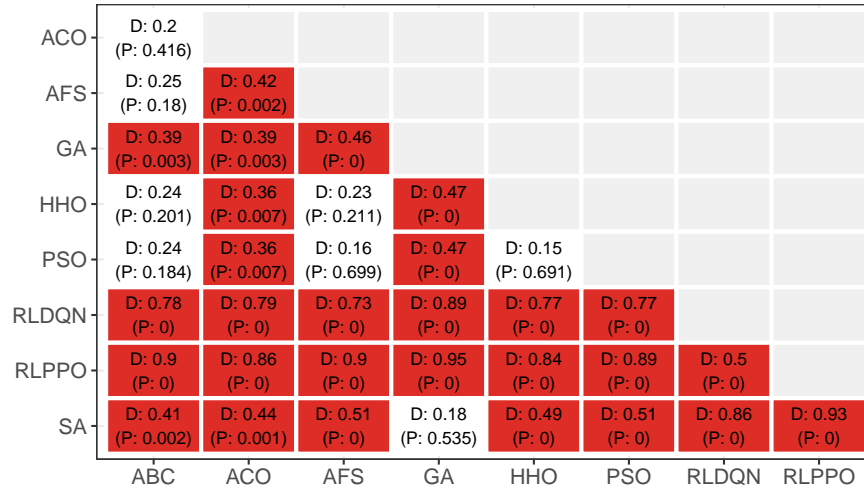
NS P < 0.05 P < 0.01

scenario\_4\_servers\_400\_services\_7\_application\_LTS



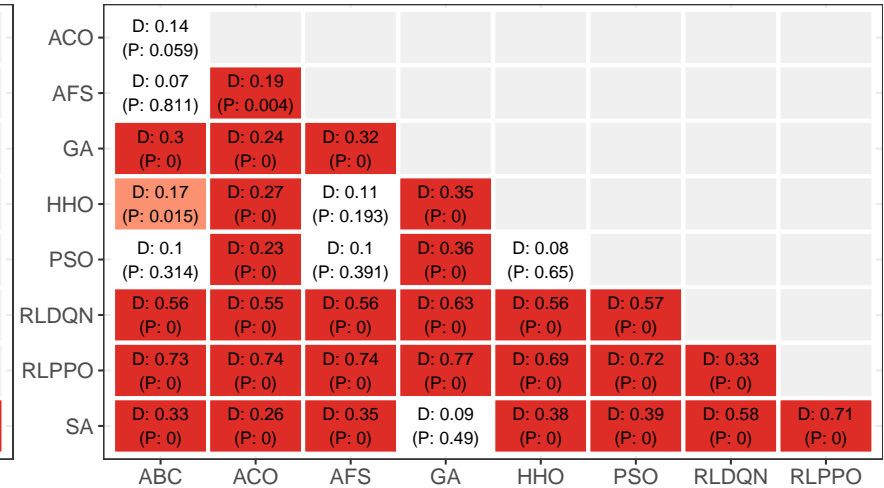
NS P < 0.05 P < 0.01

scenario\_4\_servers\_400\_services\_7\_application\_MMA



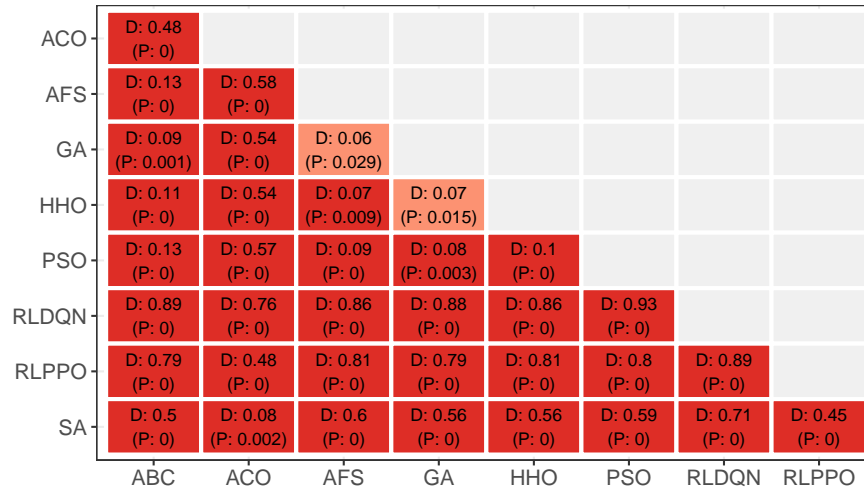
NS P < 0.01

scenario\_4\_servers\_400\_services\_7\_application\_PWD



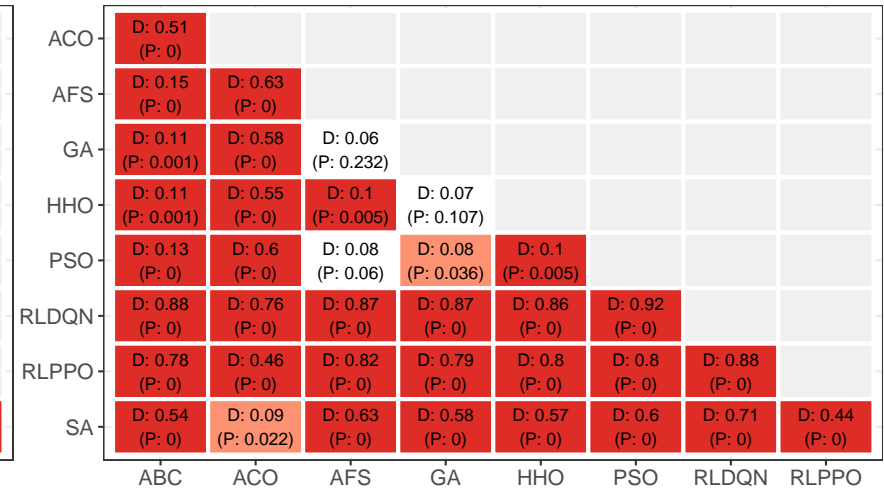
NS P < 0.05 P < 0.01

scenario\_4\_servers\_500\_services\_1\_application\_GENERIC



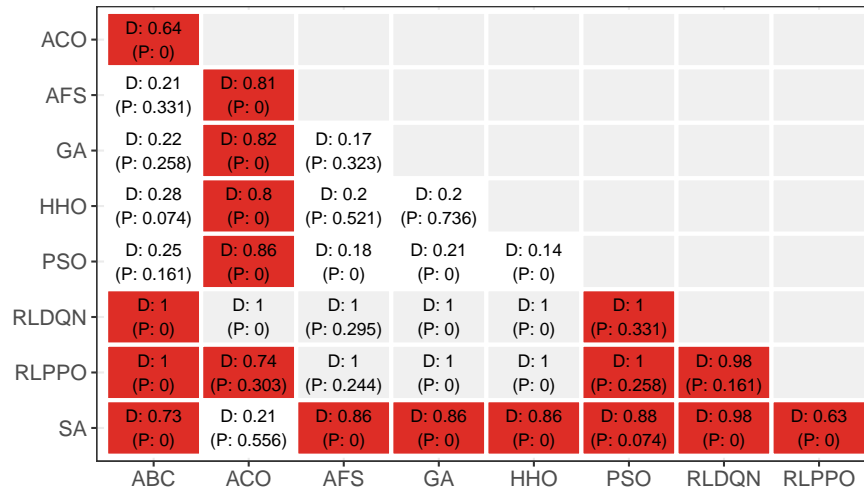
P < 0.05
  P < 0.01

scenario\_4\_servers\_500\_services\_1\_application\_LTS



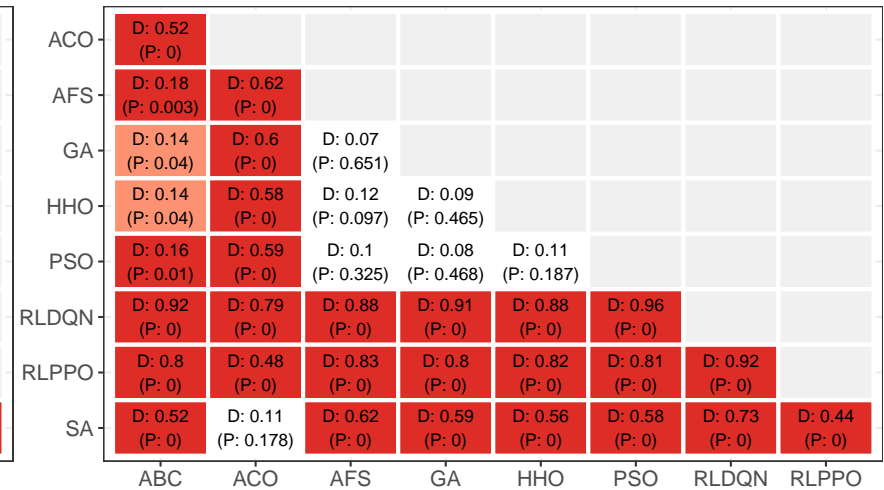
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_500\_services\_1\_application\_MMA



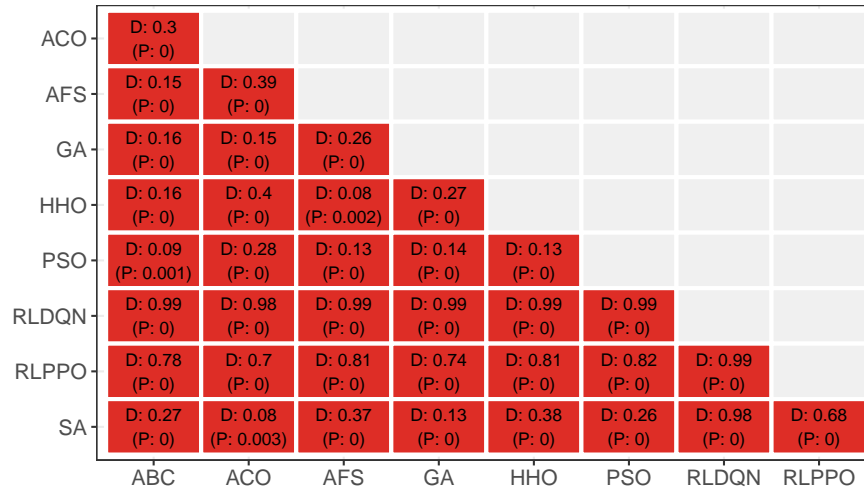
NS
  P < 0.01

scenario\_4\_servers\_500\_services\_1\_application\_PWD



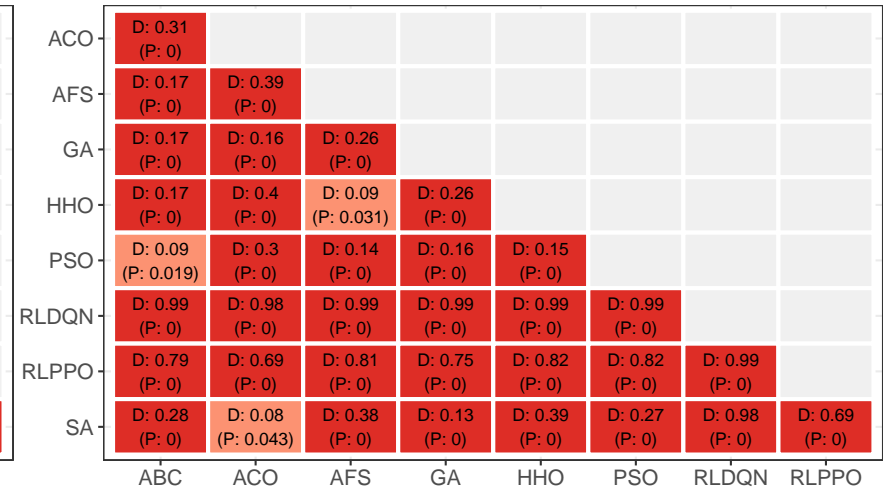
NS
  P < 0.05
  P < 0.01

scenario\_4\_servers\_500\_services\_3\_application\_GENERIC



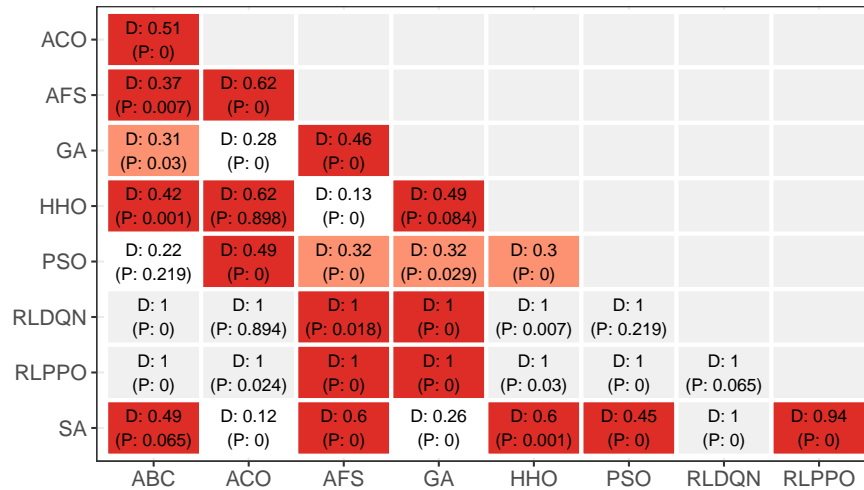
P < 0.01

scenario\_4\_servers\_500\_services\_3\_application\_LTS



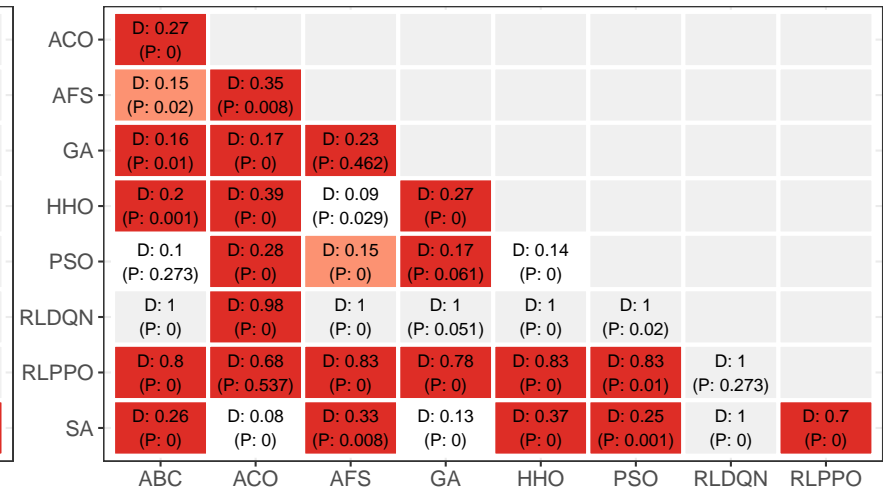
P < 0.05 P < 0.01

scenario\_4\_servers\_500\_services\_3\_application\_MMA



NS P < 0.05 P < 0.01

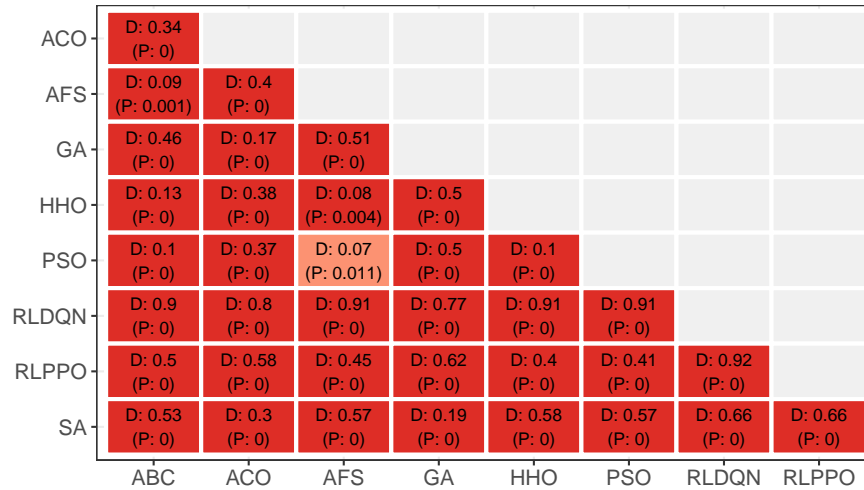
scenario\_4\_servers\_500\_services\_3\_application\_PWD



NS P < 0.05 P < 0.01

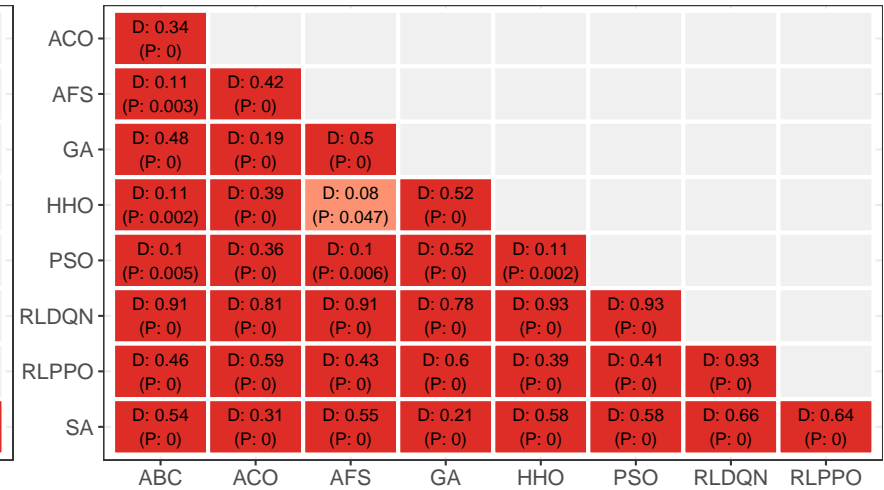


scenario\_4\_servers\_500\_services\_5\_application\_GENERIC



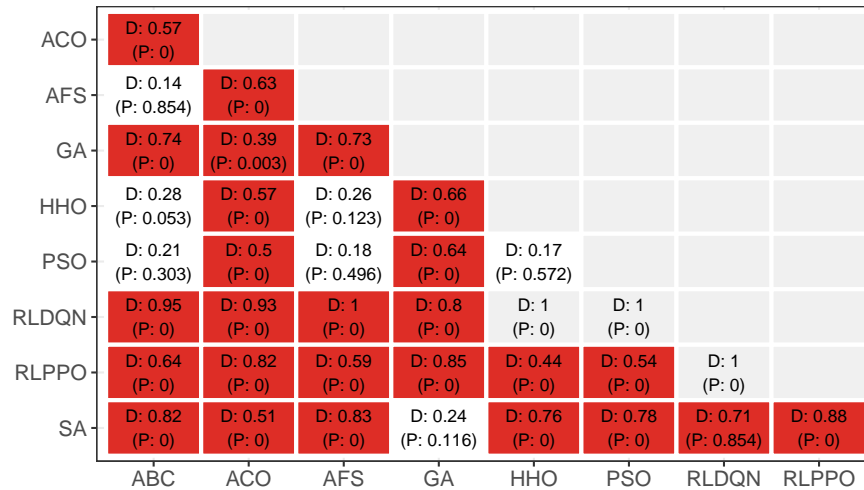
P < 0.05
 P < 0.01

scenario\_4\_servers\_500\_services\_5\_application\_LTS



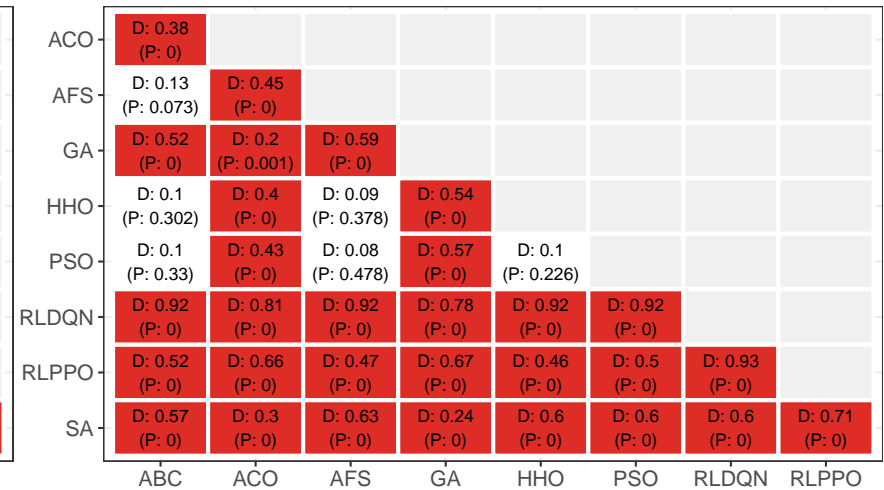
P < 0.05
 P < 0.01

scenario\_4\_servers\_500\_services\_5\_application\_MMA



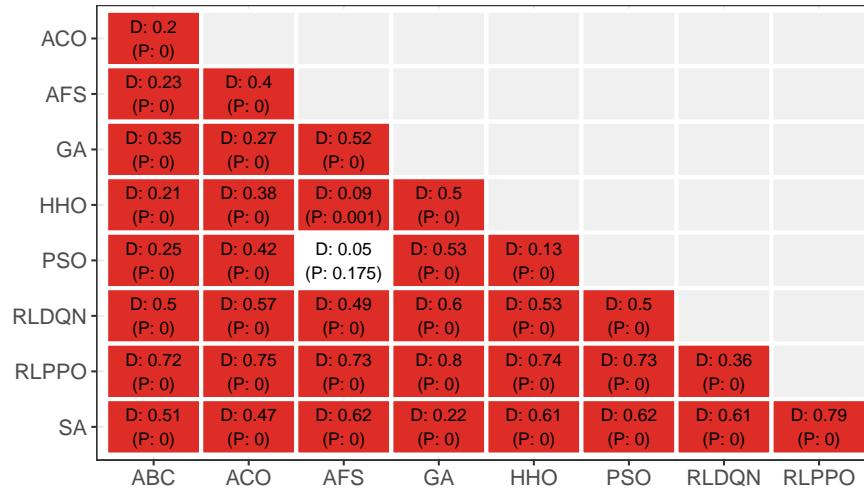
NS
 P < 0.01

scenario\_4\_servers\_500\_services\_5\_application\_PWD



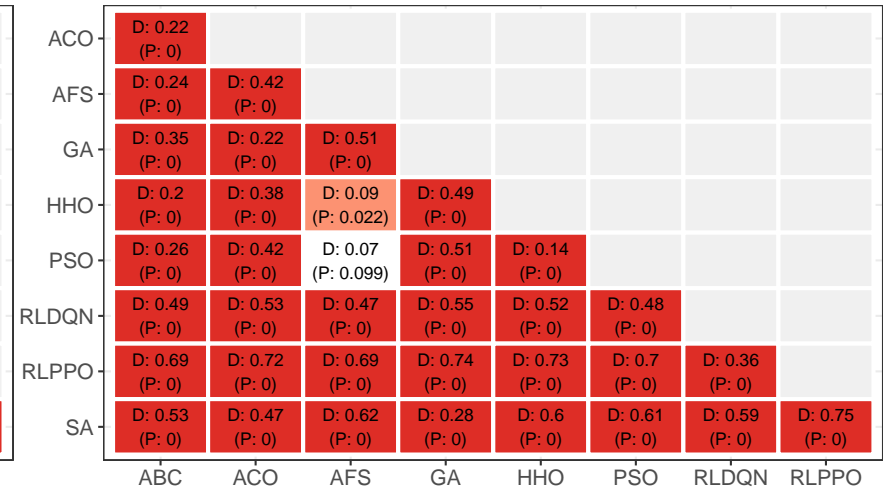
NS
 P < 0.01

scenario\_4\_servers\_500\_services\_7\_application\_GENERIC



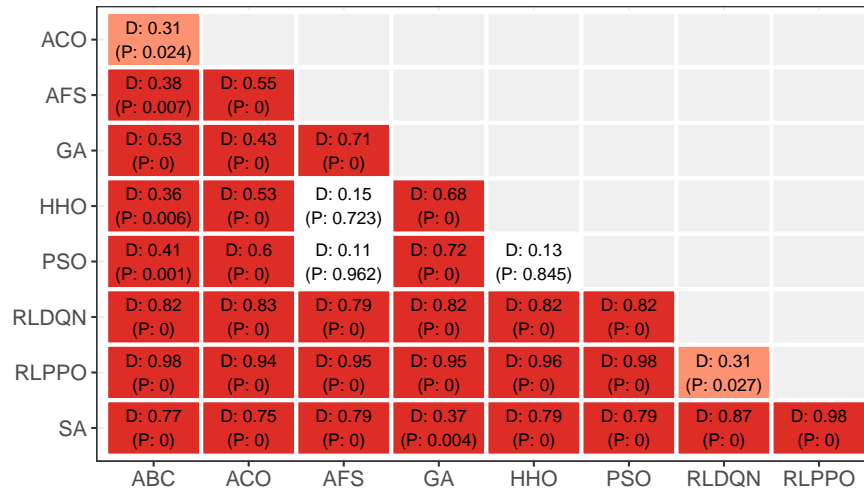
NS P < 0.01

scenario\_4\_servers\_500\_services\_7\_application\_LTS



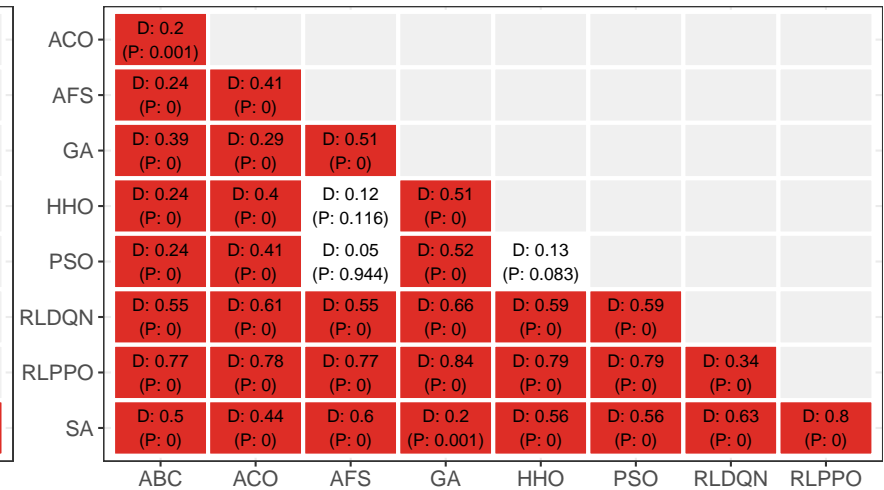
NS P < 0.05 P < 0.01

scenario\_4\_servers\_500\_services\_7\_application\_MMA



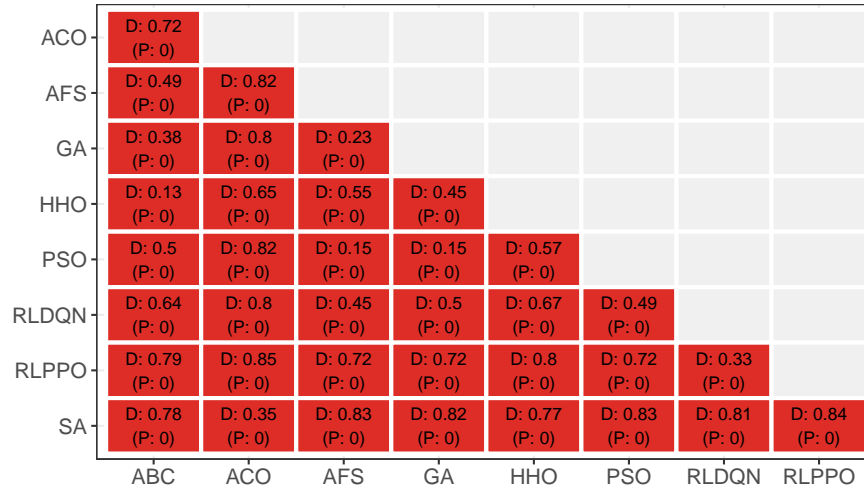
NS P < 0.05 P < 0.01

scenario\_4\_servers\_500\_services\_7\_application\_PWD



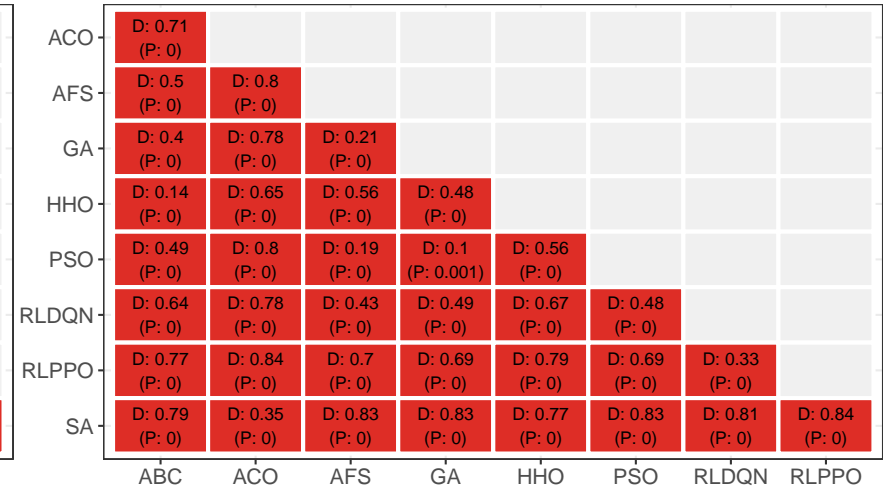
NS P < 0.01

scenario\_5\_servers\_100\_services\_1\_application\_GENERIC



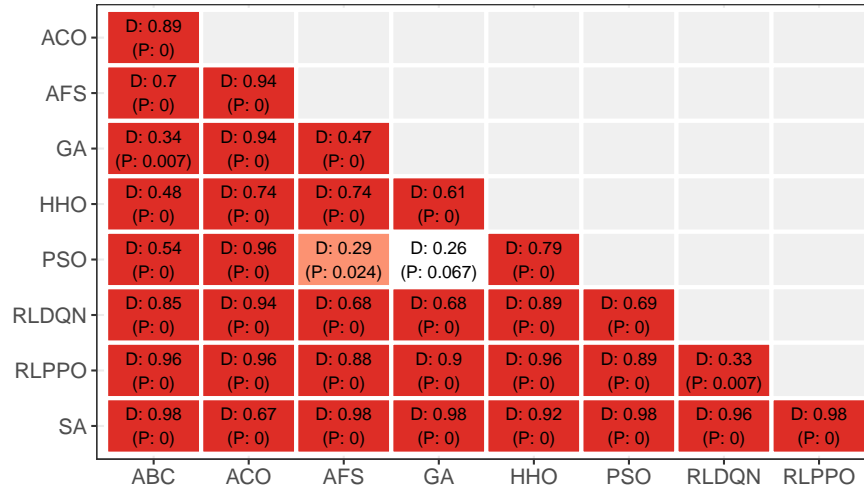
P < 0.01

scenario\_5\_servers\_100\_services\_1\_application\_LTS



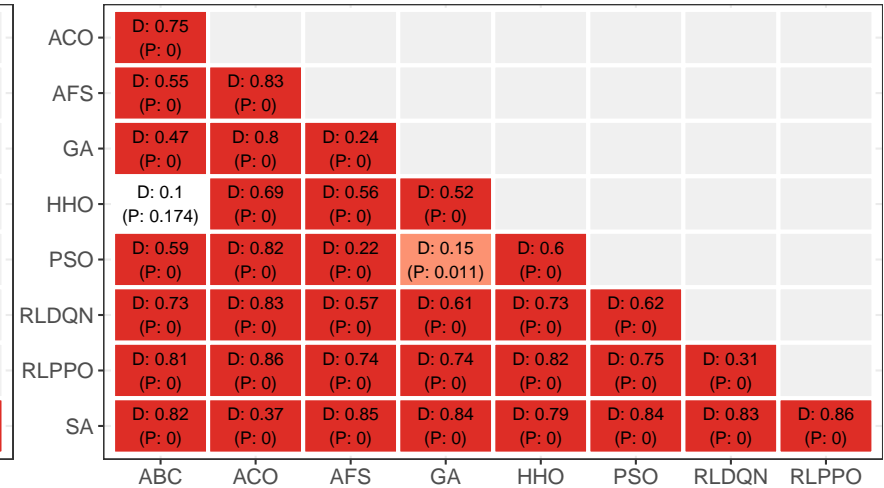
P < 0.01

scenario\_5\_servers\_100\_services\_1\_application\_MMA



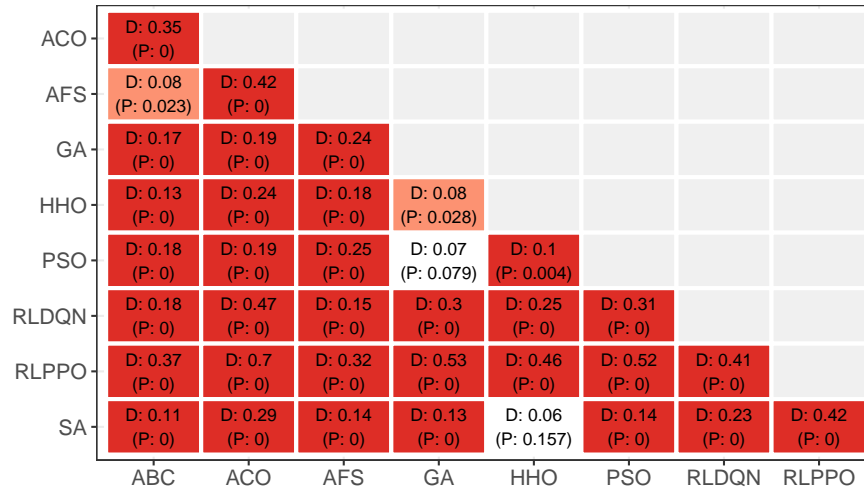
NS P < 0.05 P < 0.01

scenario\_5\_servers\_100\_services\_1\_application\_PWD



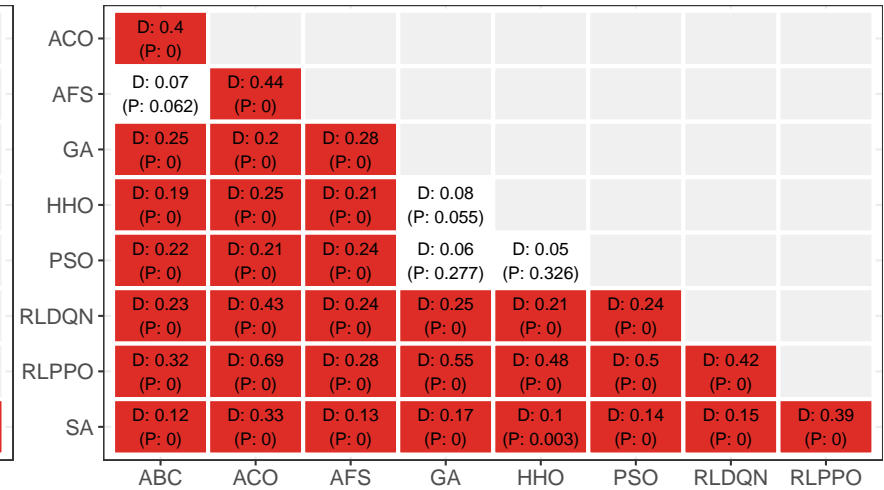
NS P < 0.05 P < 0.01

scenario\_5\_servers\_100\_services\_3\_application\_GENERIC



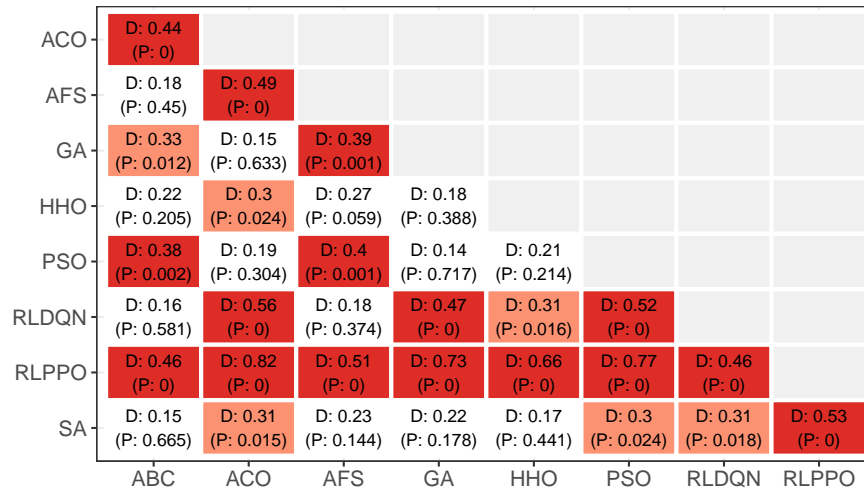
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_100\_services\_3\_application\_LTS



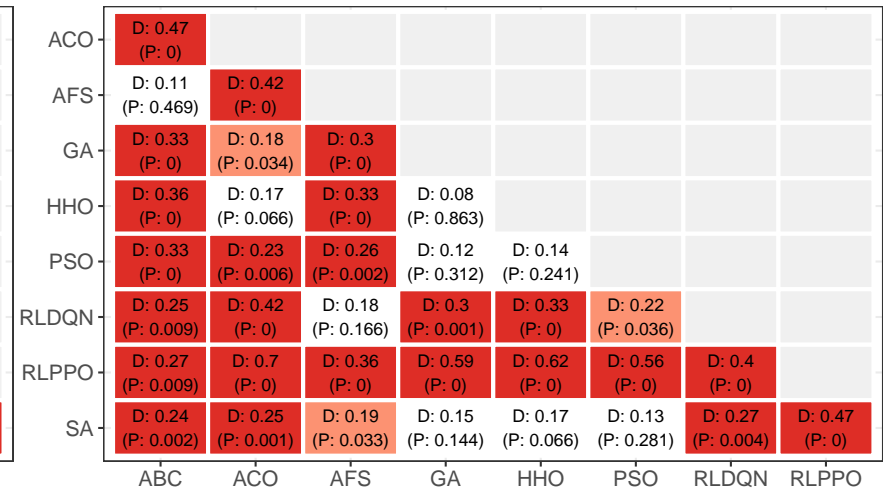
□ NS ■ P < 0.01

scenario\_5\_servers\_100\_services\_3\_application\_MMA



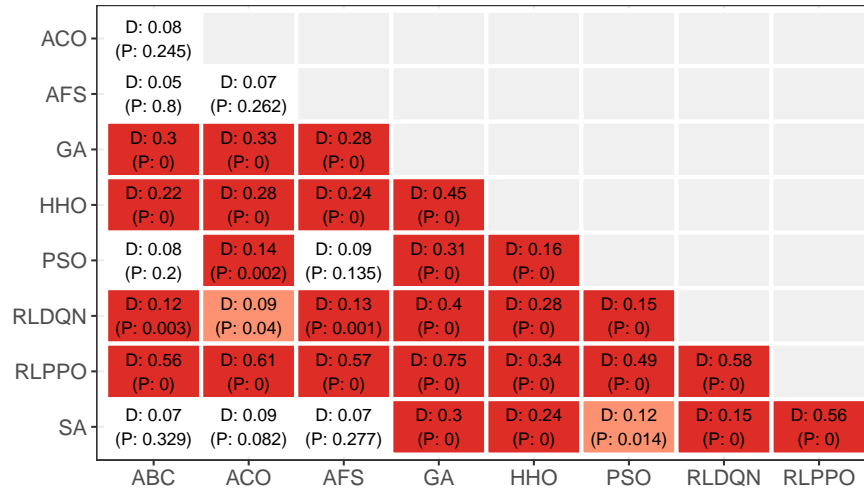
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_100\_services\_3\_application\_PWD



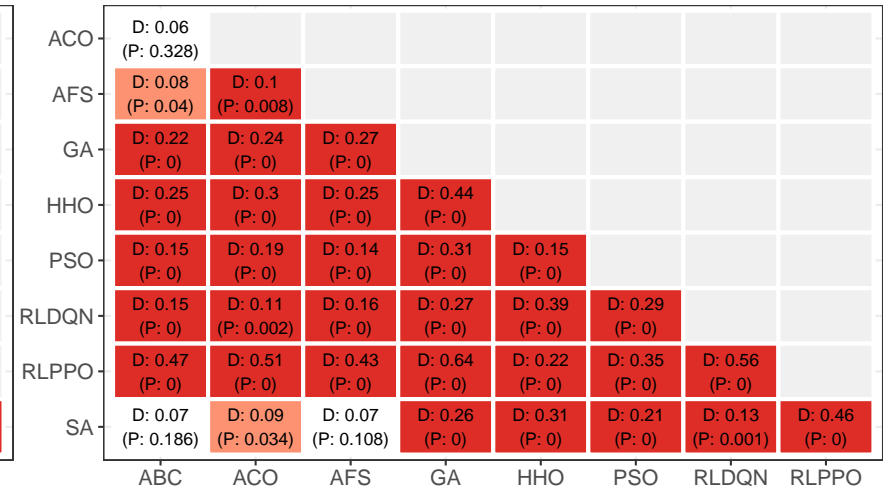
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_100\_services\_5\_application\_GENERIC



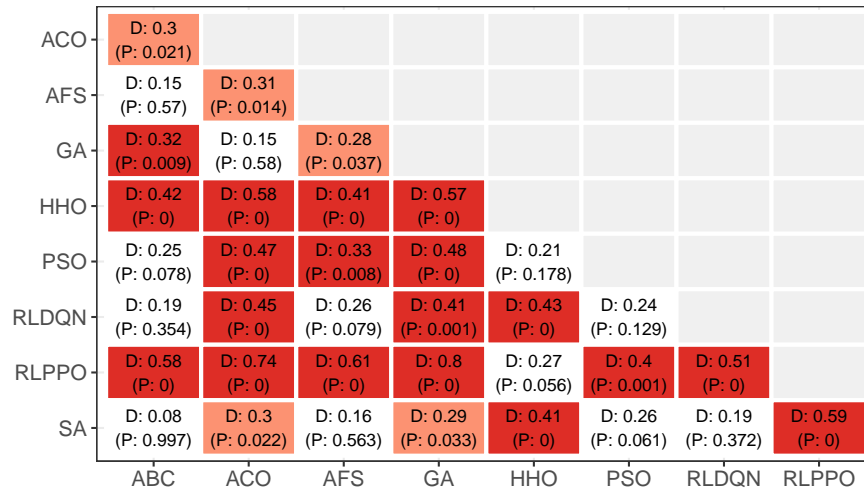
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_100\_services\_5\_application\_LTS



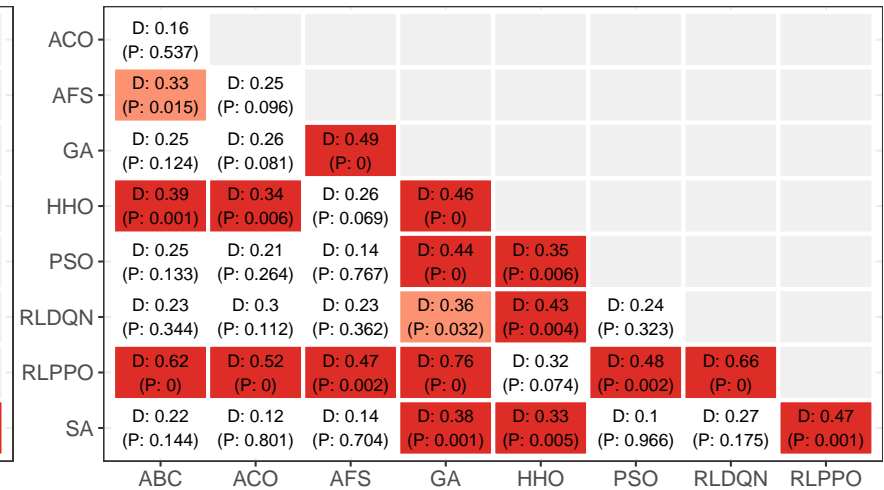
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_100\_services\_5\_application\_MMA



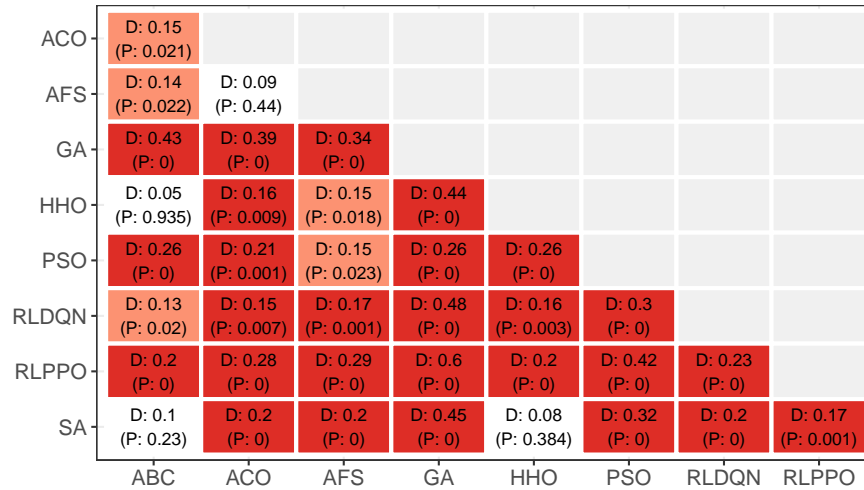
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_100\_services\_5\_application\_PWD



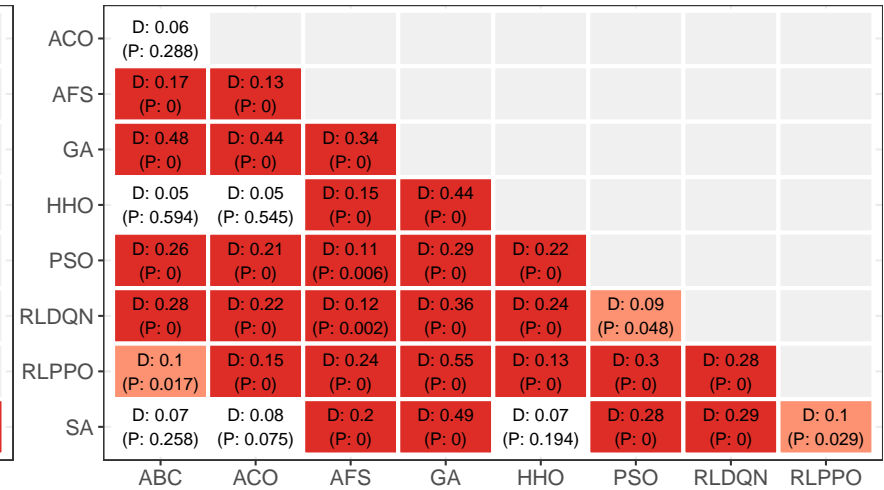
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_100\_services\_7\_application\_GENERIC



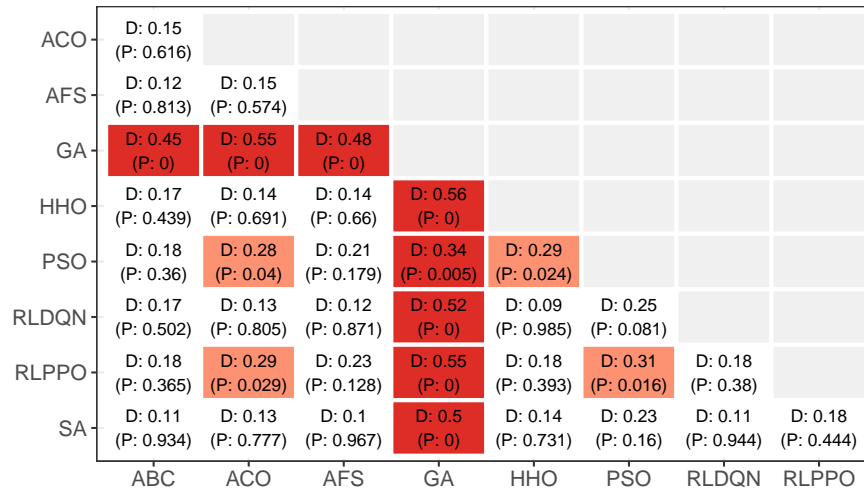
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_100\_services\_7\_application\_LTS



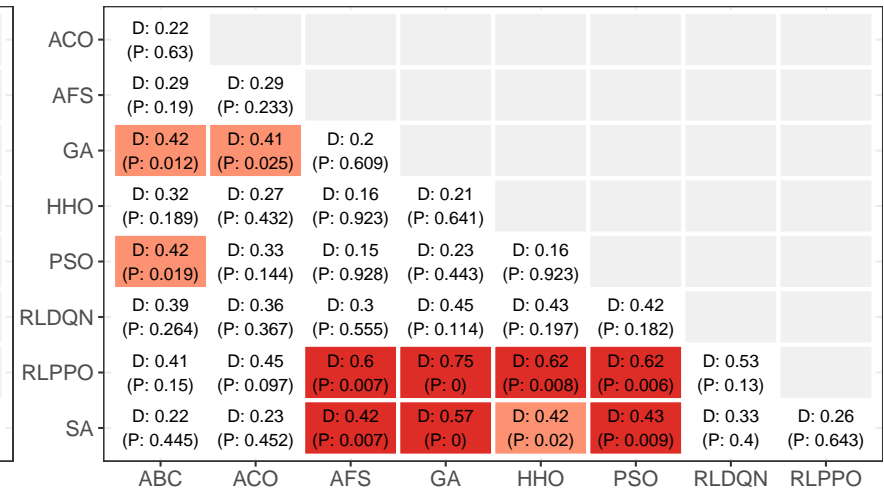
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_100\_services\_7\_application\_MMA



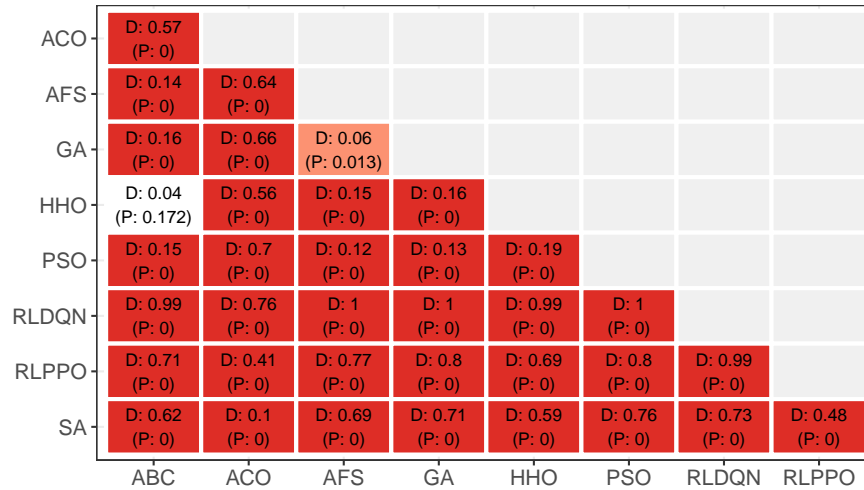
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_100\_services\_7\_application\_PWD



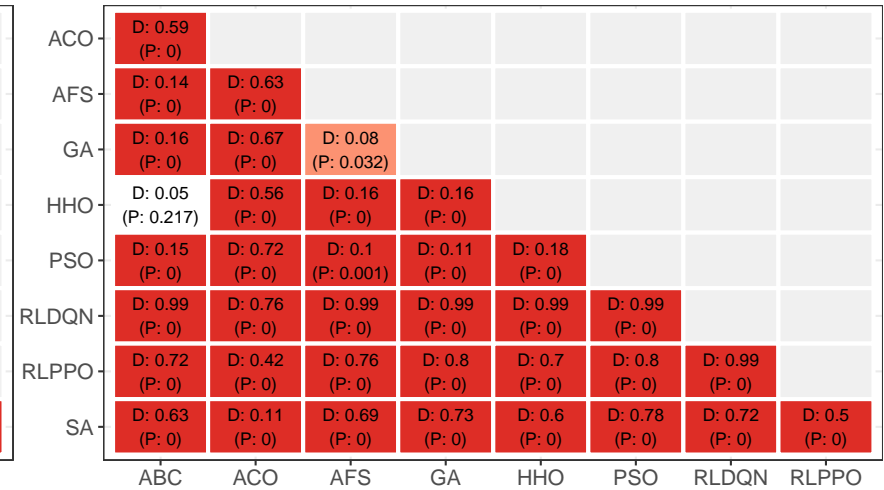
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_200\_services\_1\_application\_GENERIC



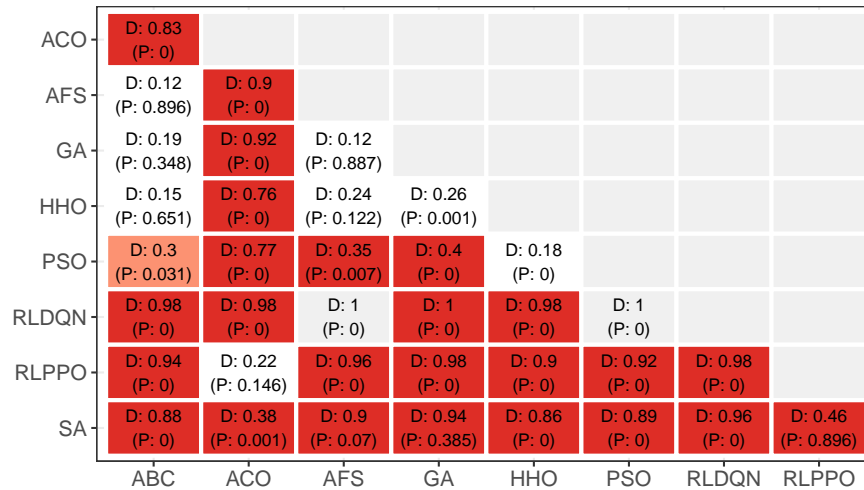
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_200\_services\_1\_application\_LTS



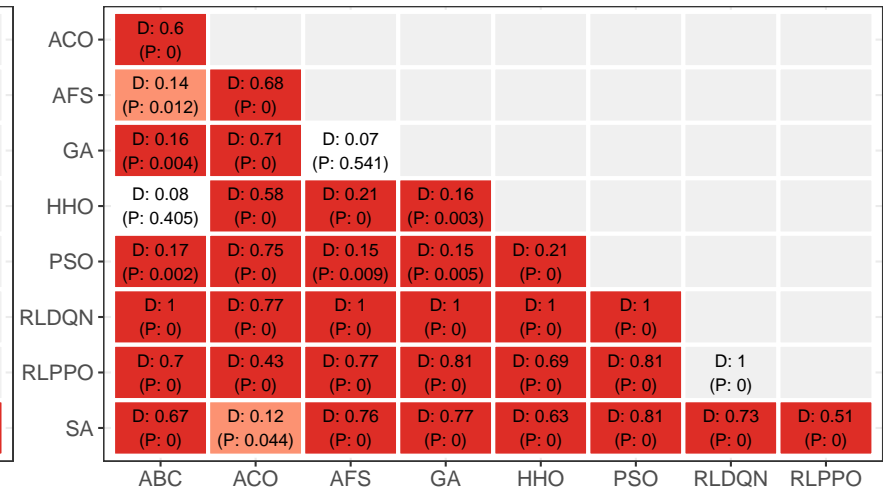
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_200\_services\_1\_application\_MMA



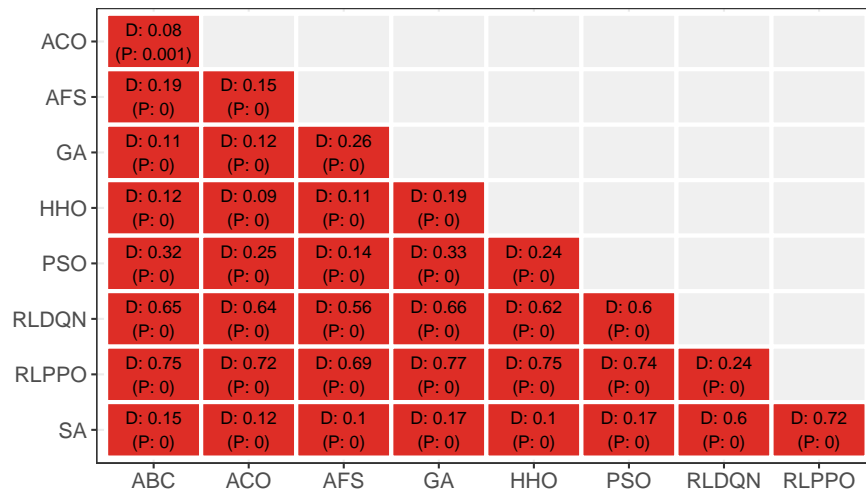
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_200\_services\_1\_application\_PWD



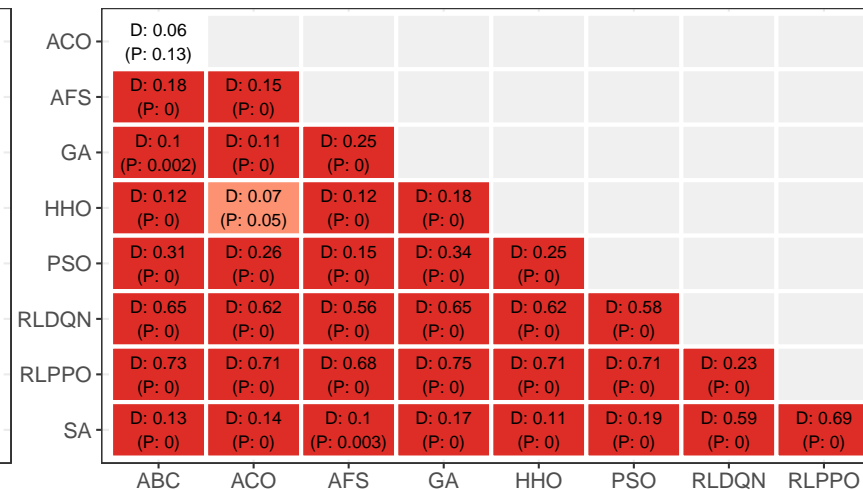
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_200\_services\_3\_application\_GENERIC



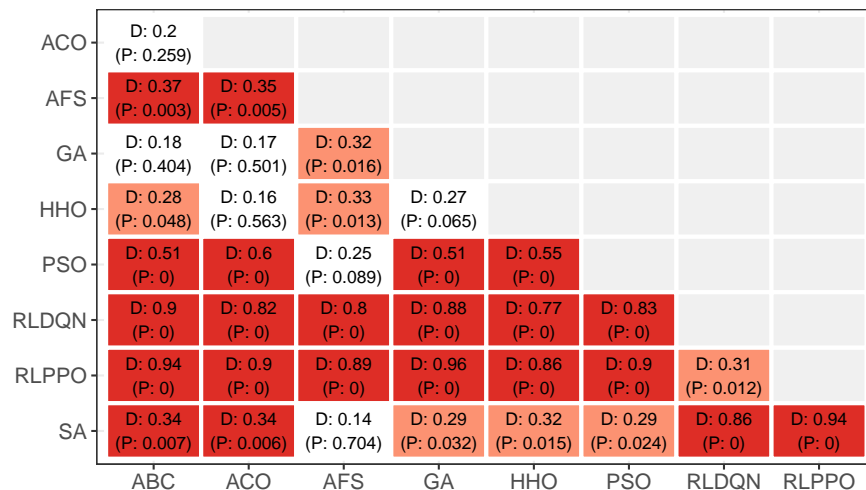
■ P < 0.01

scenario\_5\_servers\_200\_services\_3\_application\_LTS



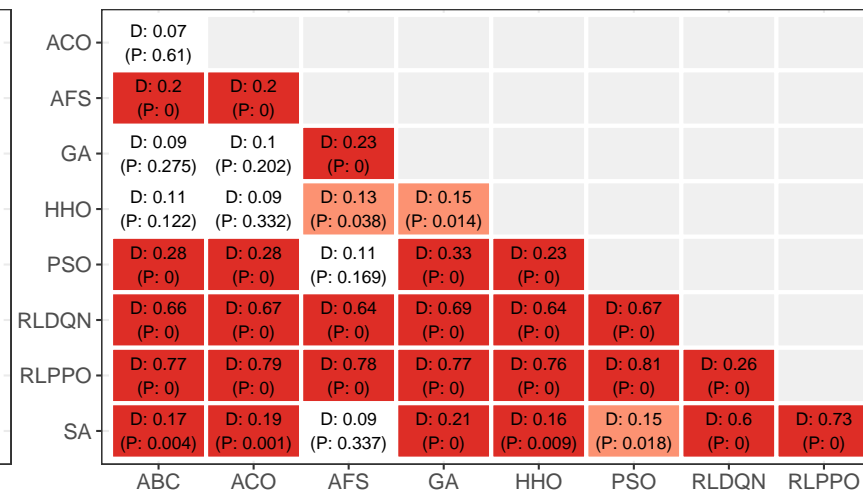
□ NS ■ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_200\_services\_3\_application\_MMA



□ NS ■ P < 0.05 ■ P < 0.01

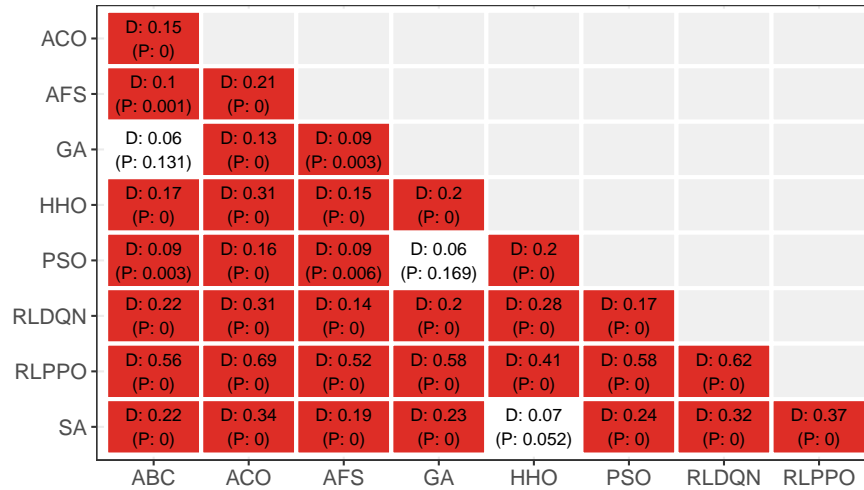
scenario\_5\_servers\_200\_services\_3\_application\_PWD



□ NS ■ P < 0.05 ■ P < 0.01

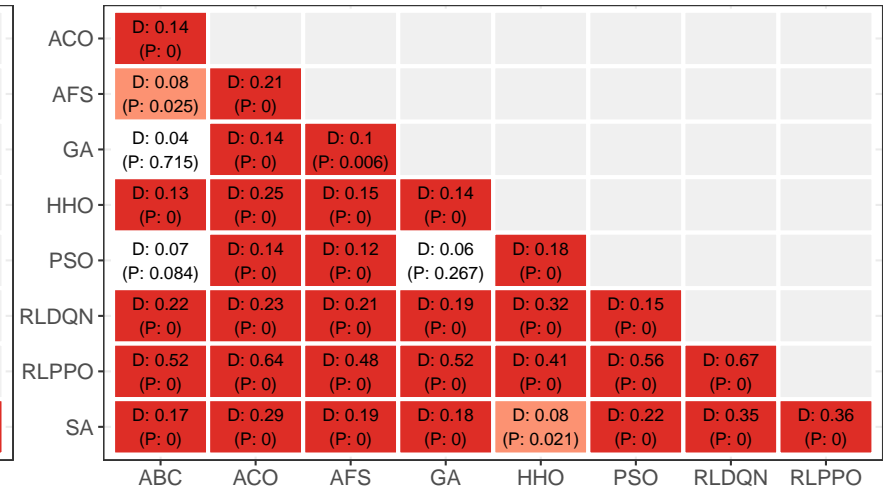


scenario\_5\_servers\_200\_services\_5\_application\_GENERIC



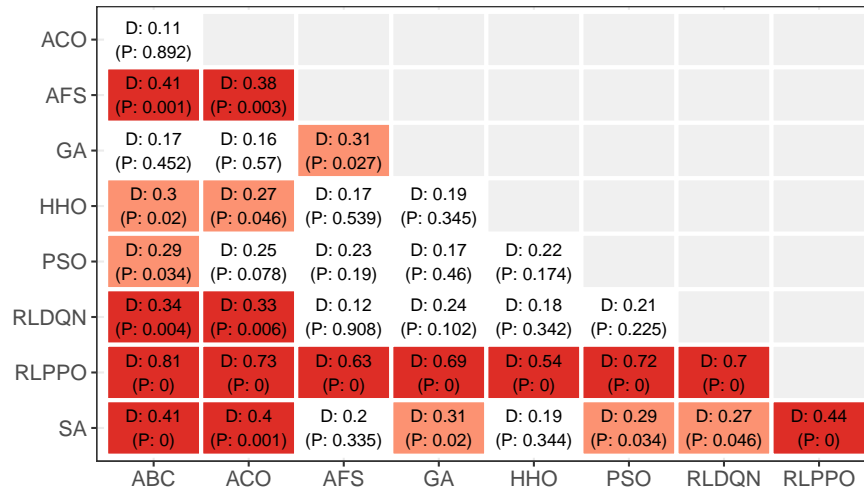
□ NS □ P < 0.01

scenario\_5\_servers\_200\_services\_5\_application\_LTS



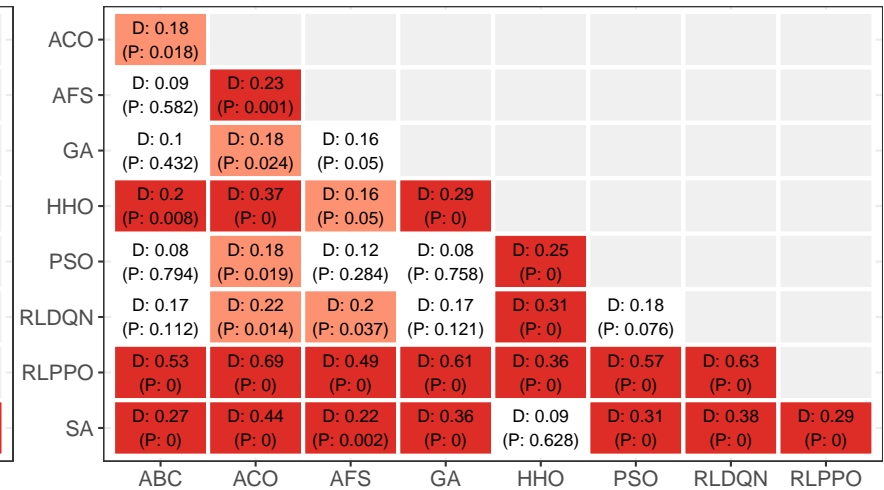
□ NS □ P < 0.05 □ P < 0.01

scenario\_5\_servers\_200\_services\_5\_application\_MMA



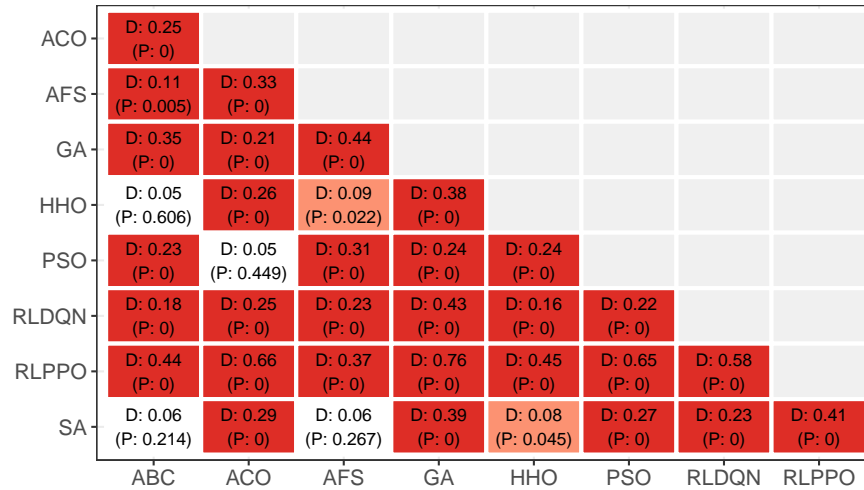
□ NS □ P < 0.05 □ P < 0.01

scenario\_5\_servers\_200\_services\_5\_application\_PWD



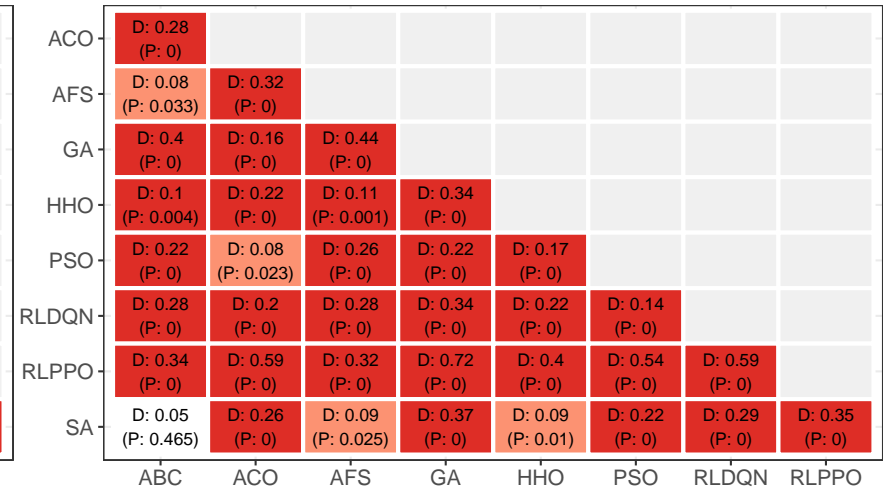
□ NS □ P < 0.05 □ P < 0.01

scenario\_5\_servers\_200\_services\_7\_application\_GENERIC



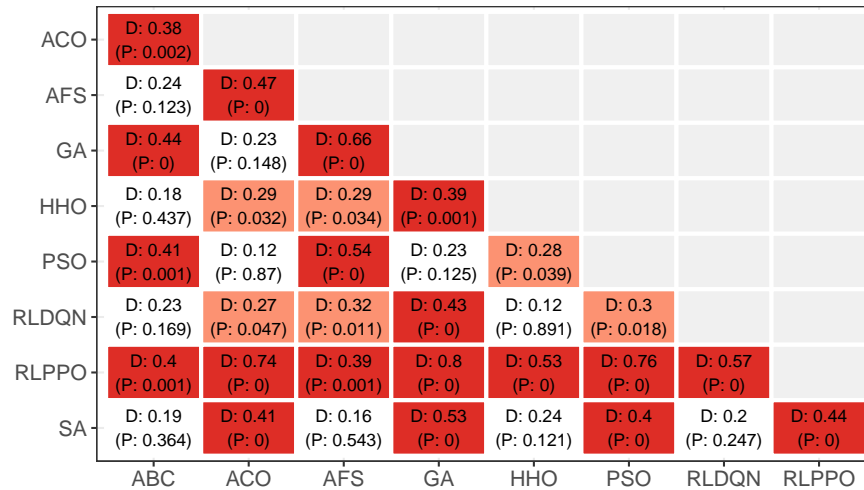
NS P < 0.05 P < 0.01

scenario\_5\_servers\_200\_services\_7\_application\_LTS



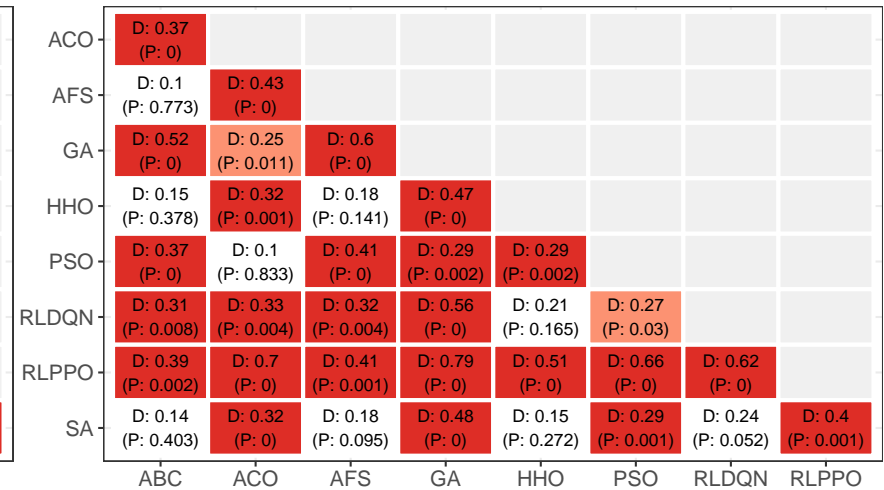
NS P < 0.05 P < 0.01

scenario\_5\_servers\_200\_services\_7\_application\_MMA



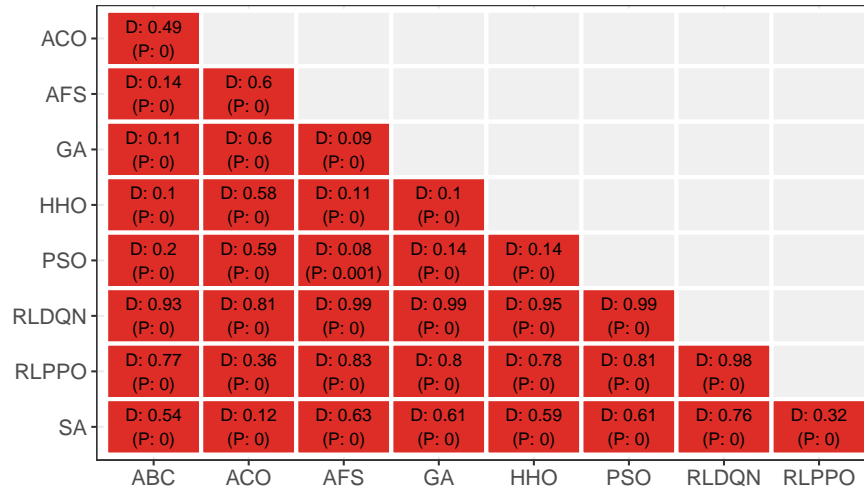
NS P < 0.05 P < 0.01

scenario\_5\_servers\_200\_services\_7\_application\_PWD



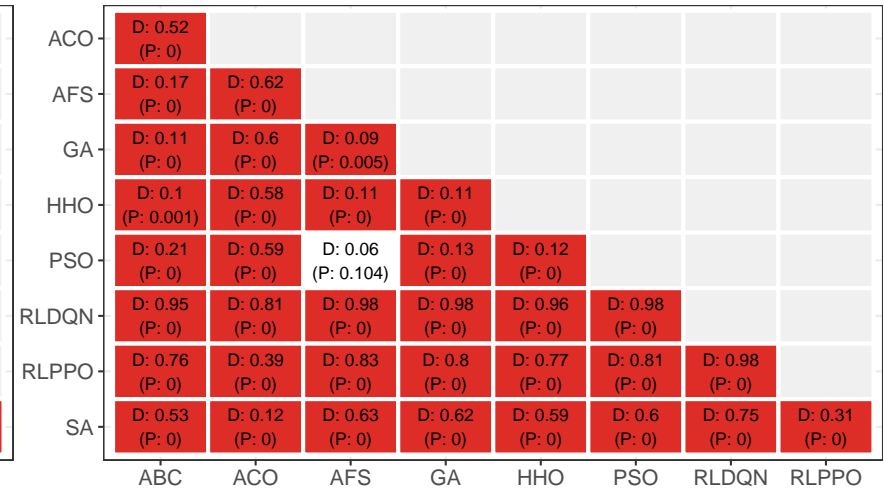
NS P < 0.05 P < 0.01

scenario\_5\_servers\_300\_services\_1\_application\_GENERIC



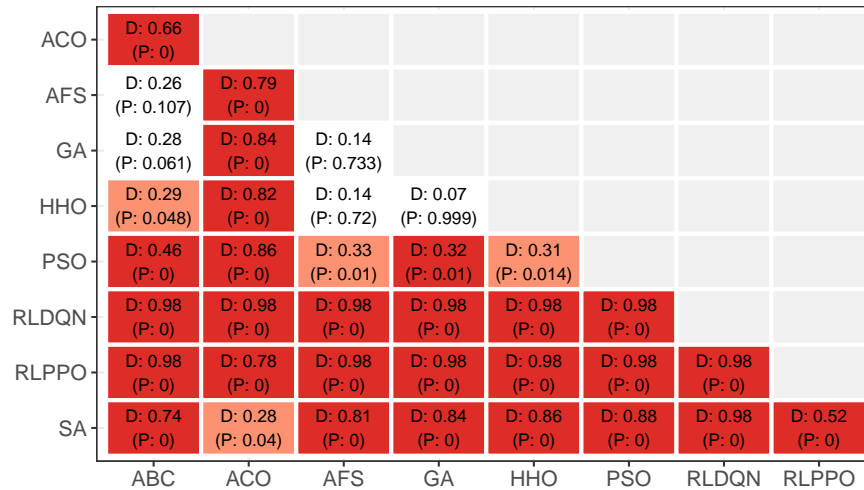
■ P < 0.01

scenario\_5\_servers\_300\_services\_1\_application\_LTS



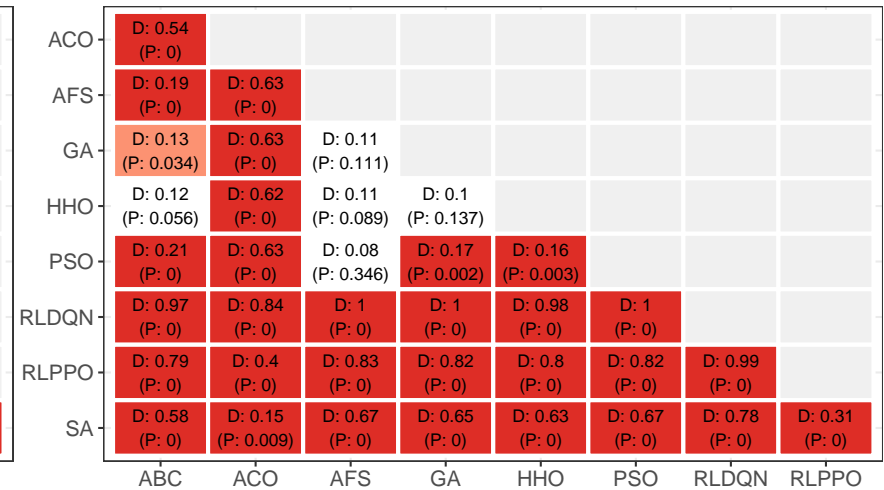
□ NS ■ P < 0.01

scenario\_5\_servers\_300\_services\_1\_application\_MMA



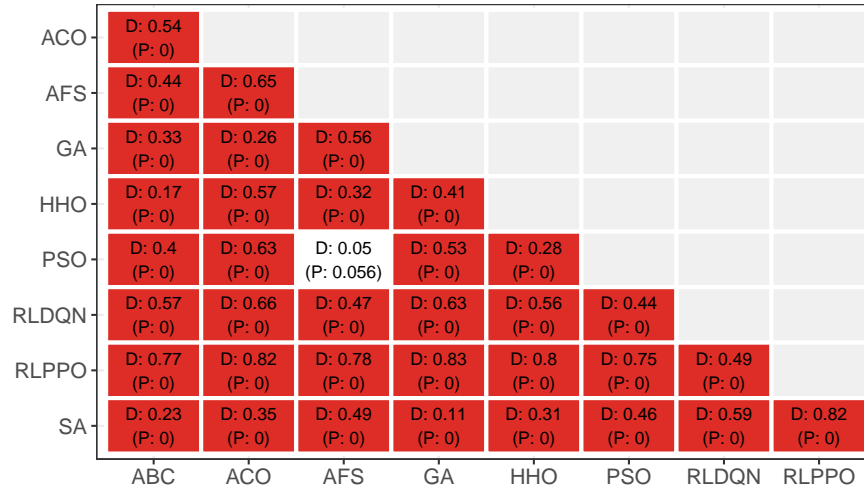
□ NS ■ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_300\_services\_1\_application\_PWD



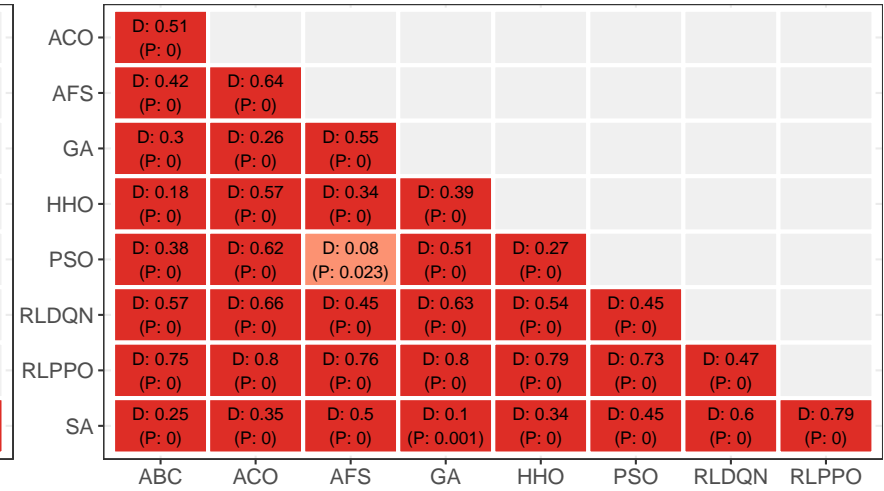
□ NS ■ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_300\_services\_3\_application\_GENERIC



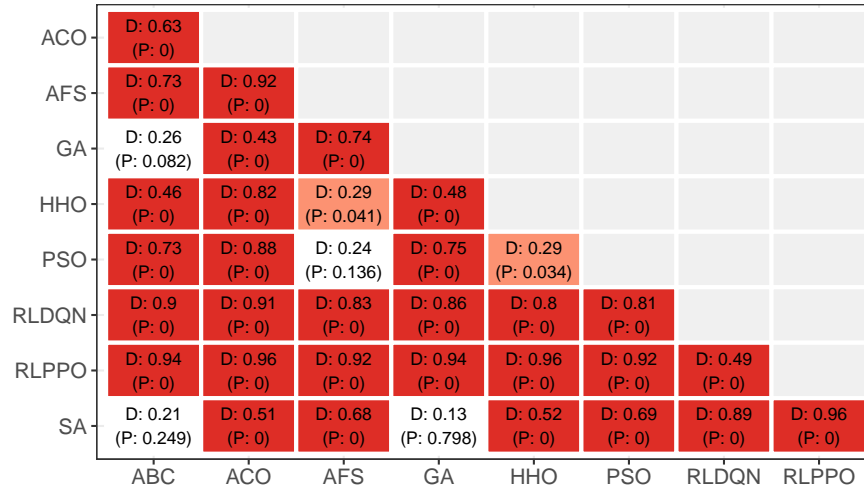
NS P < 0.01

scenario\_5\_servers\_300\_services\_3\_application\_LTS



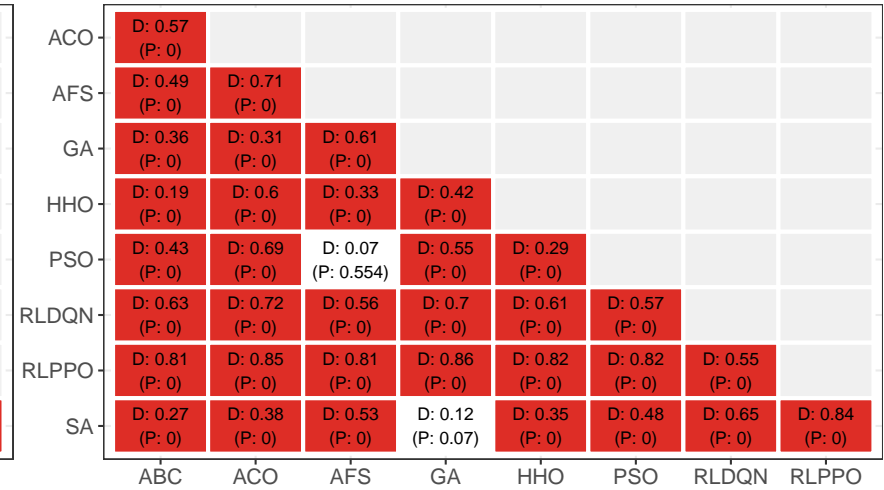
P < 0.05 P < 0.01

scenario\_5\_servers\_300\_services\_3\_application\_MMA



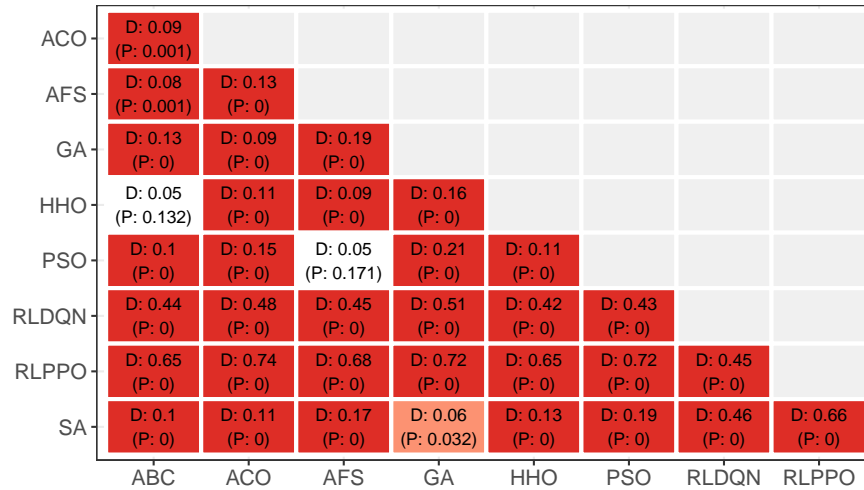
NS P < 0.05 P < 0.01

scenario\_5\_servers\_300\_services\_3\_application\_PWD



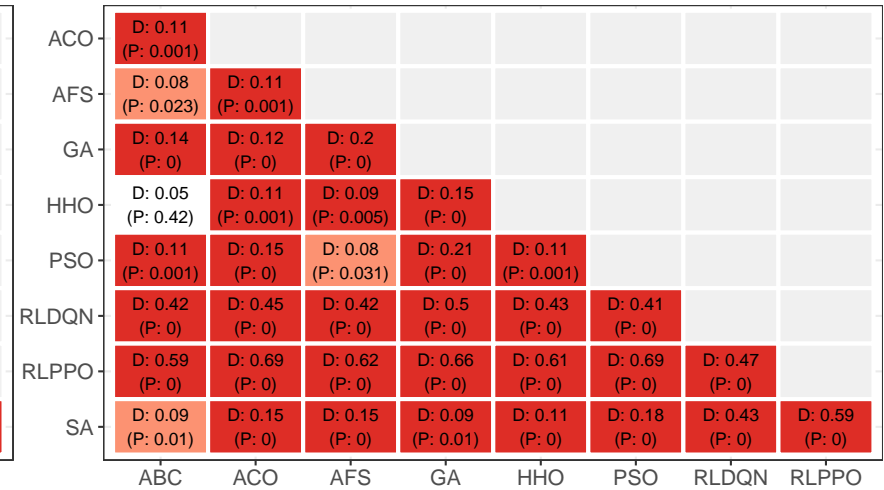
NS P < 0.01

scenario\_5\_servers\_300\_services\_5\_application\_GENERIC



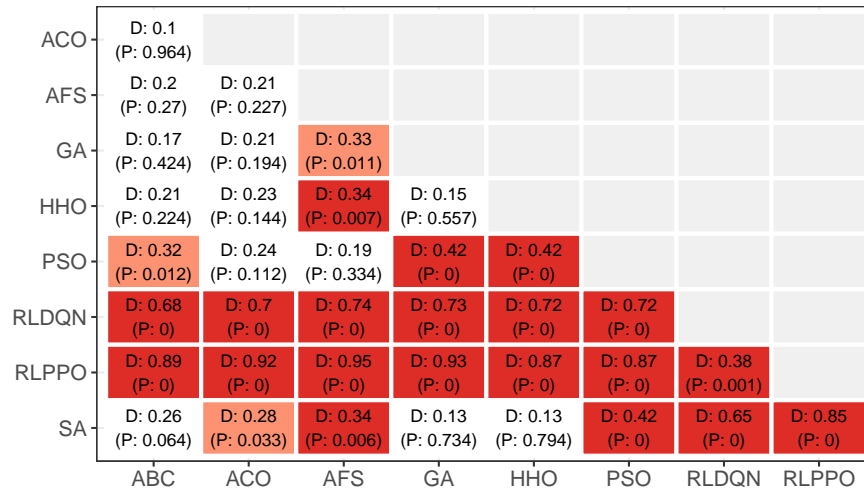
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_300\_services\_5\_application\_LTS



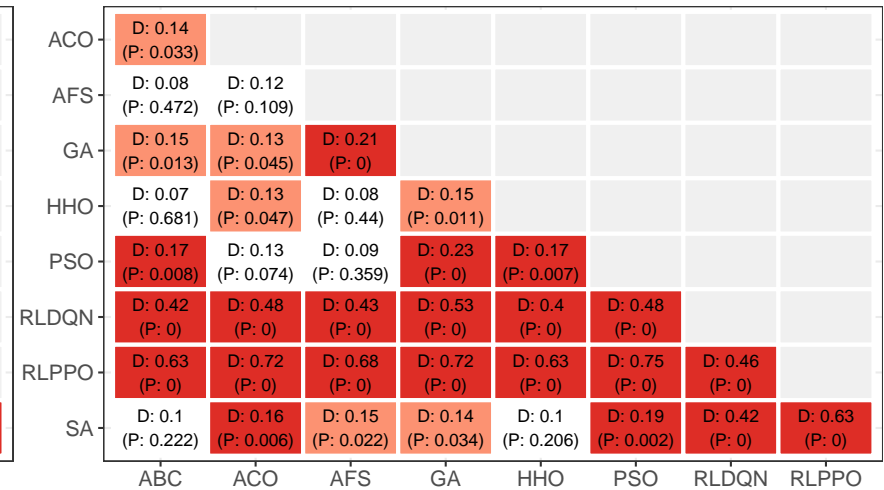
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_300\_services\_5\_application\_MMA



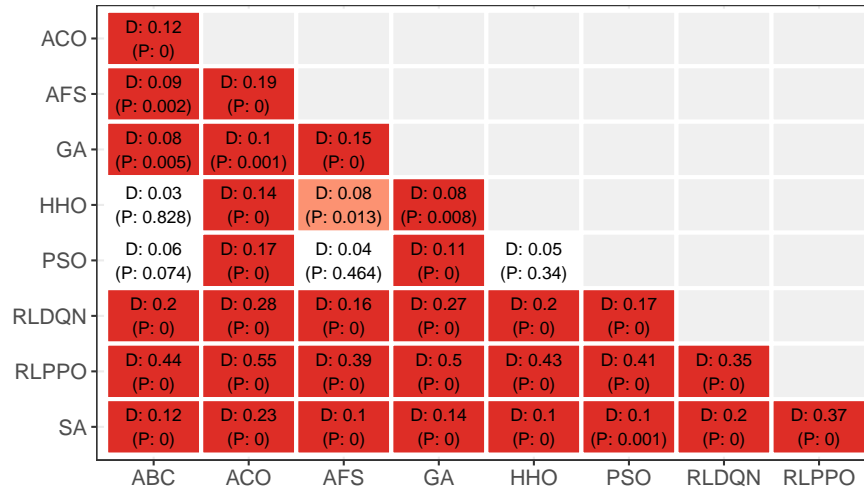
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_300\_services\_5\_application\_PWD



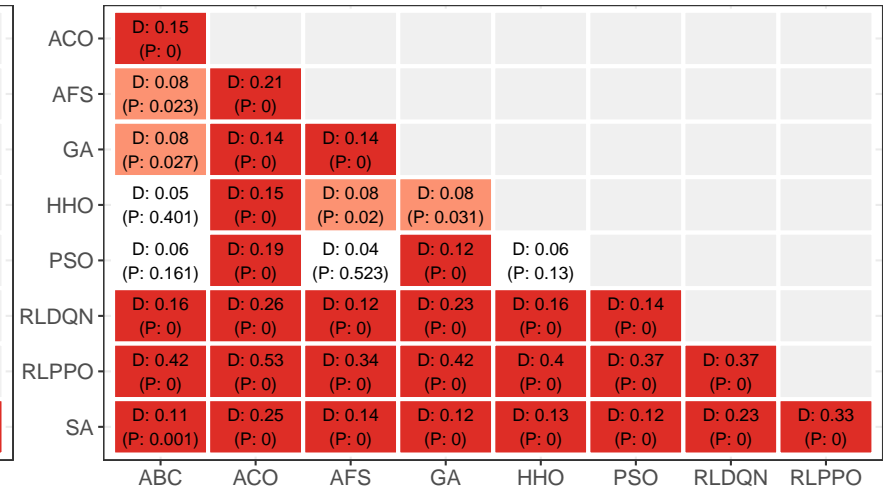
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_300\_services\_7\_application\_GENERIC



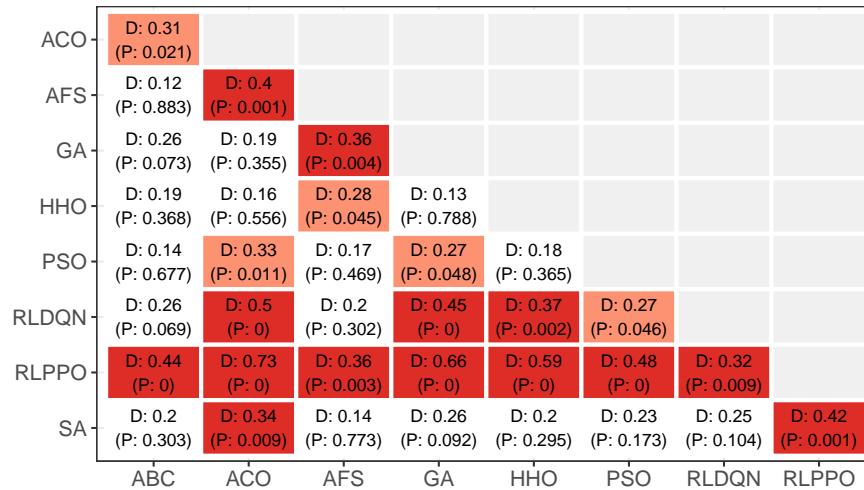
NS P < 0.05 P < 0.01

scenario\_5\_servers\_300\_services\_7\_application\_LTS



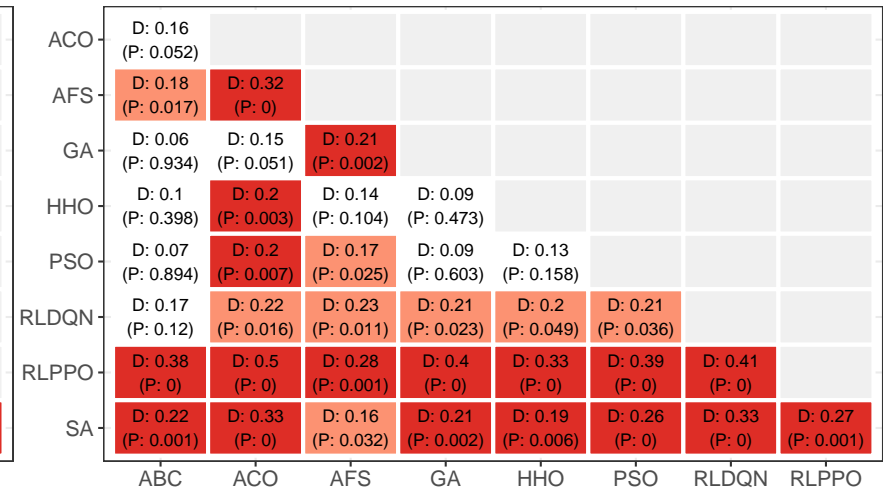
NS P < 0.05 P < 0.01

scenario\_5\_servers\_300\_services\_7\_application\_MMA



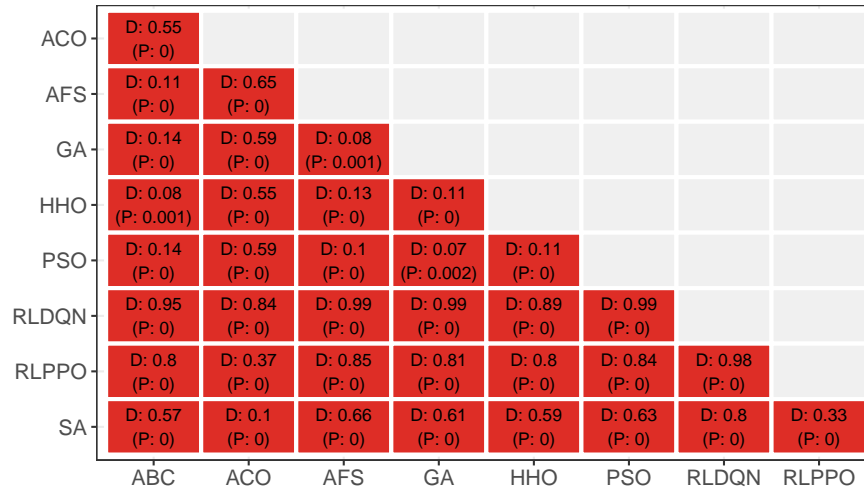
NS P < 0.05 P < 0.01

scenario\_5\_servers\_300\_services\_7\_application\_PWD



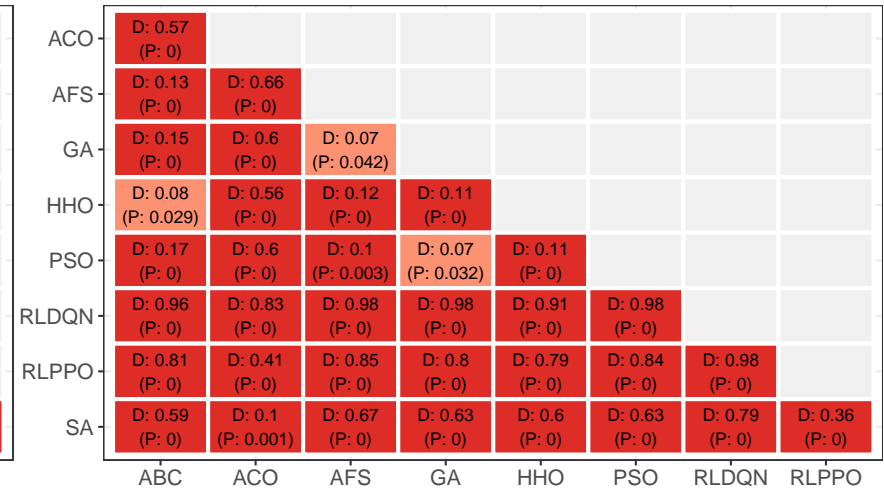
NS P < 0.05 P < 0.01

scenario\_5\_servers\_400\_services\_1\_application\_GENERIC



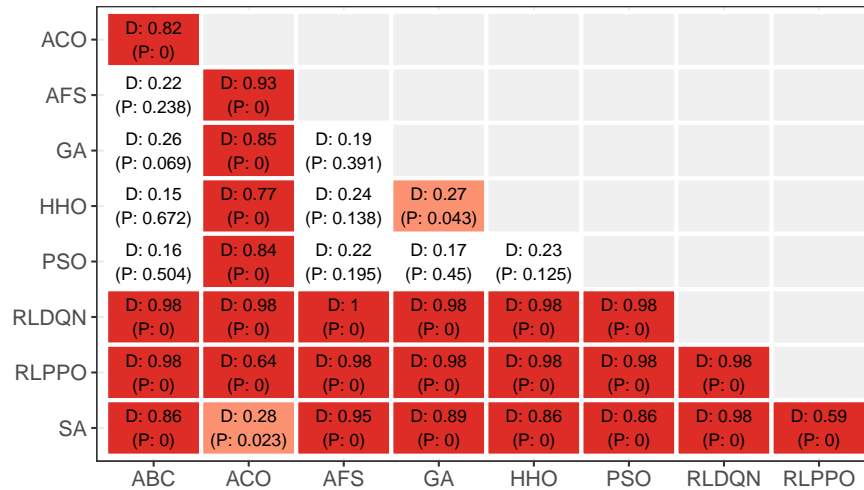
P < 0.01

scenario\_5\_servers\_400\_services\_1\_application\_LTS



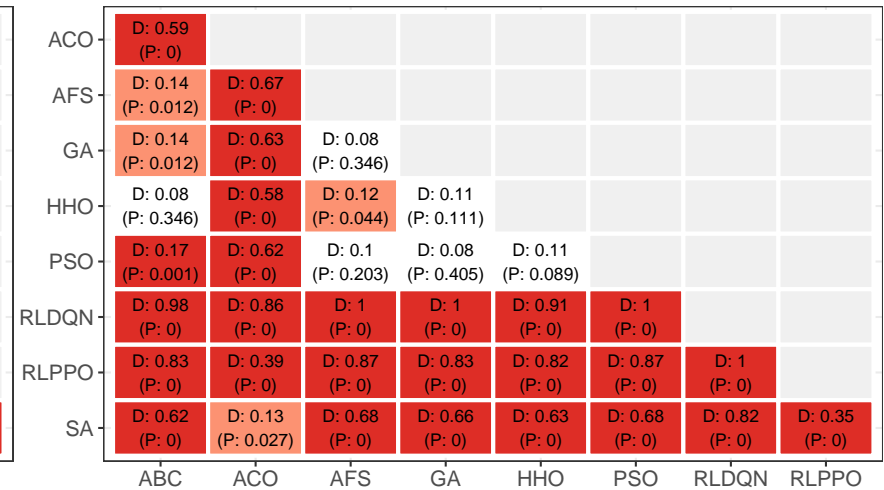
P < 0.05 P < 0.01

scenario\_5\_servers\_400\_services\_1\_application\_MMA



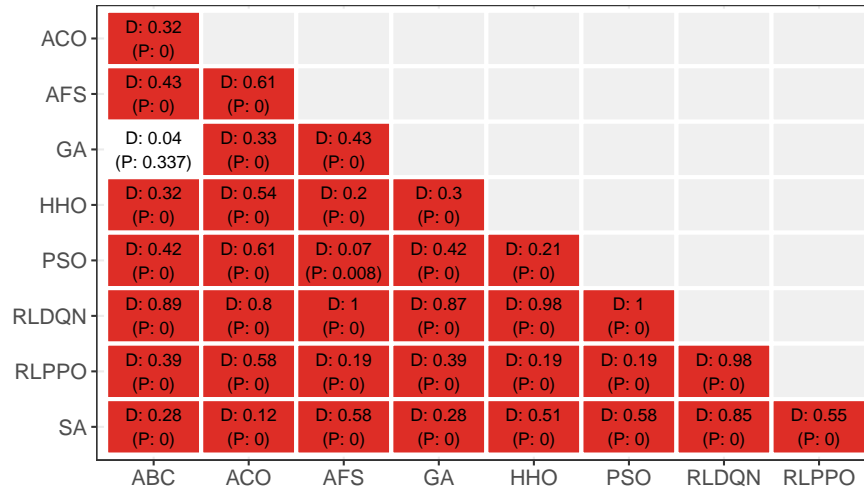
NS P < 0.05 P < 0.01

scenario\_5\_servers\_400\_services\_1\_application\_PWD



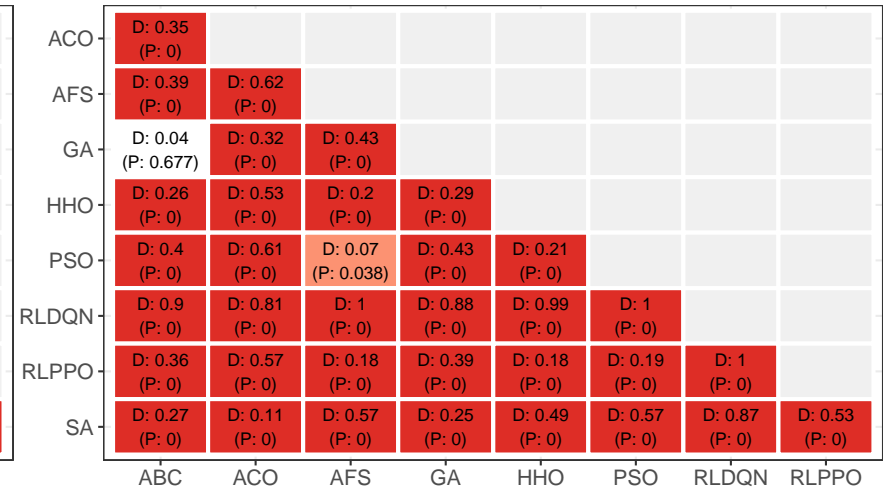
NS P < 0.05 P < 0.01

scenario\_5\_servers\_400\_services\_3\_application\_GENERIC



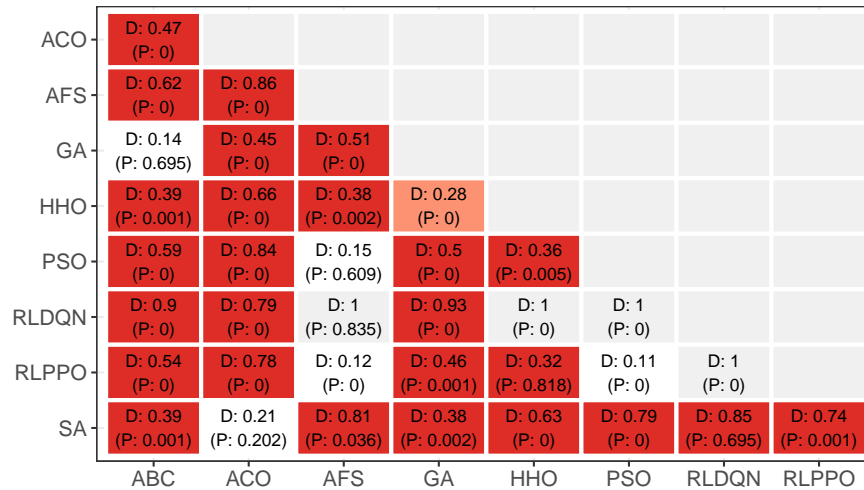
NS P < 0.01

scenario\_5\_servers\_400\_services\_3\_application\_LTS



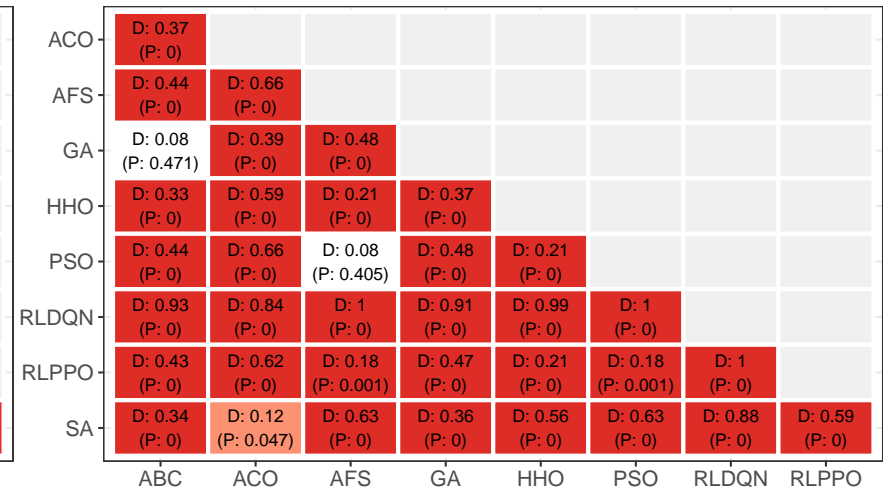
NS P < 0.05 P < 0.01

scenario\_5\_servers\_400\_services\_3\_application\_MMA



NS P < 0.05 P < 0.01

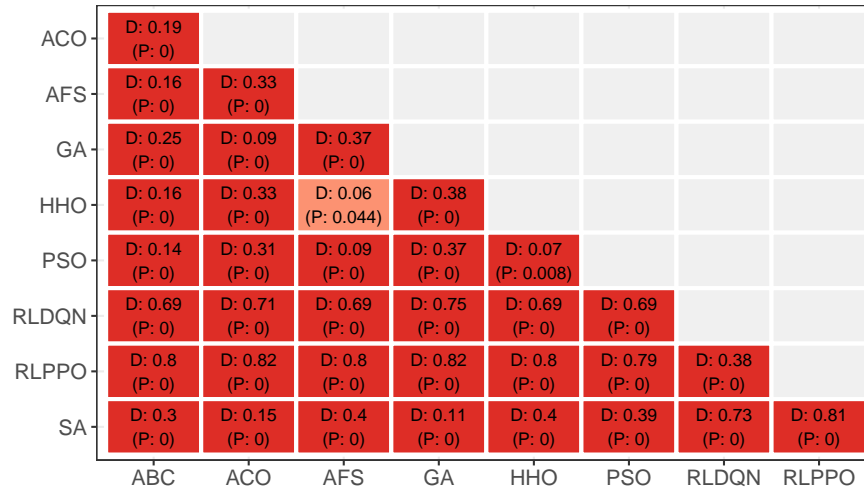
scenario\_5\_servers\_400\_services\_3\_application\_PWD



NS P < 0.05 P < 0.01

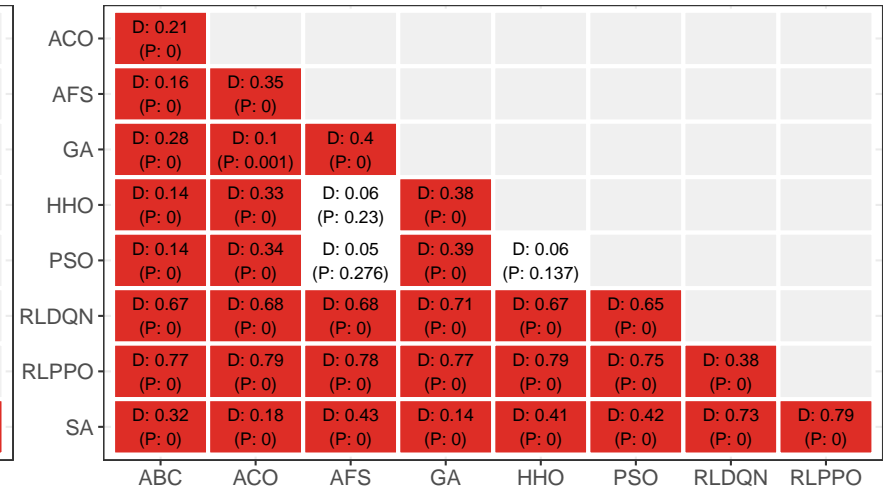


scenario\_5\_servers\_400\_services\_5\_application\_GENERIC



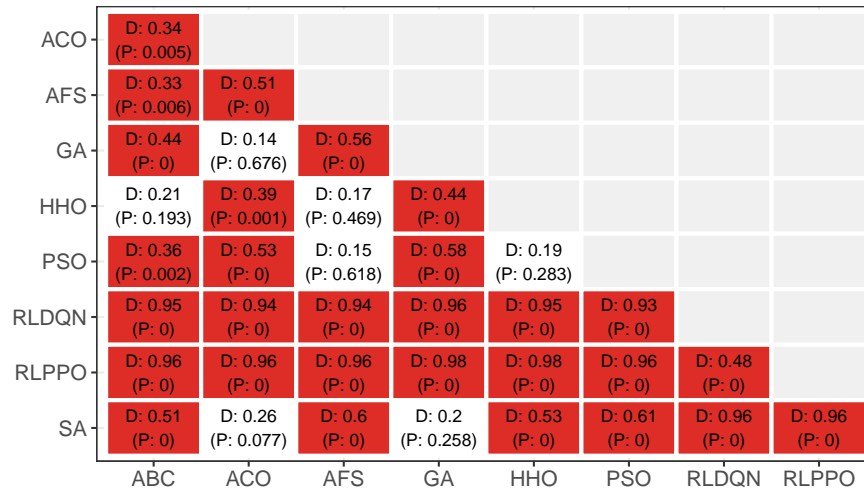
 P < 0.05
  P < 0.01

scenario\_5\_servers\_400\_services\_5\_application\_LTS



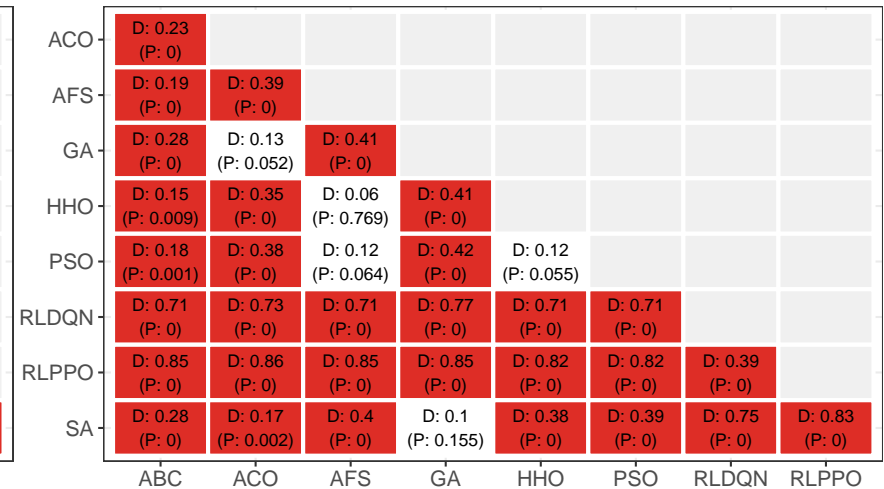
 NS
  P < 0.01

scenario\_5\_servers\_400\_services\_5\_application\_MMA



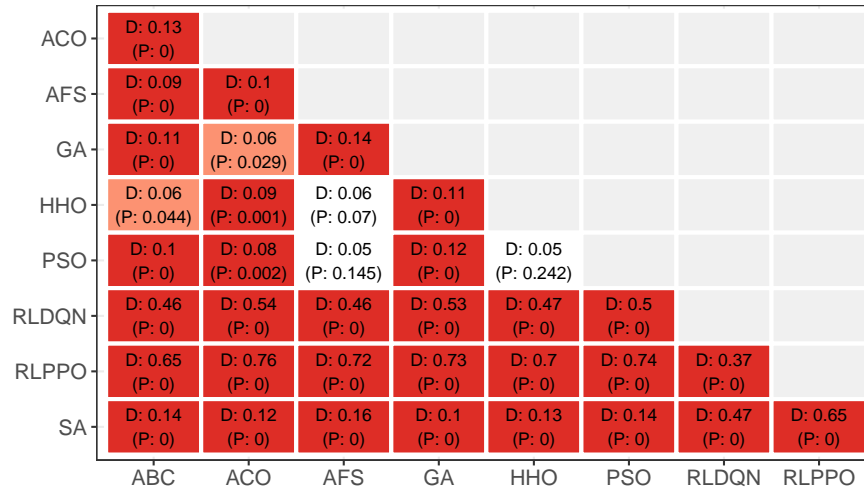
 NS
  P < 0.01

scenario\_5\_servers\_400\_services\_5\_application\_PWD



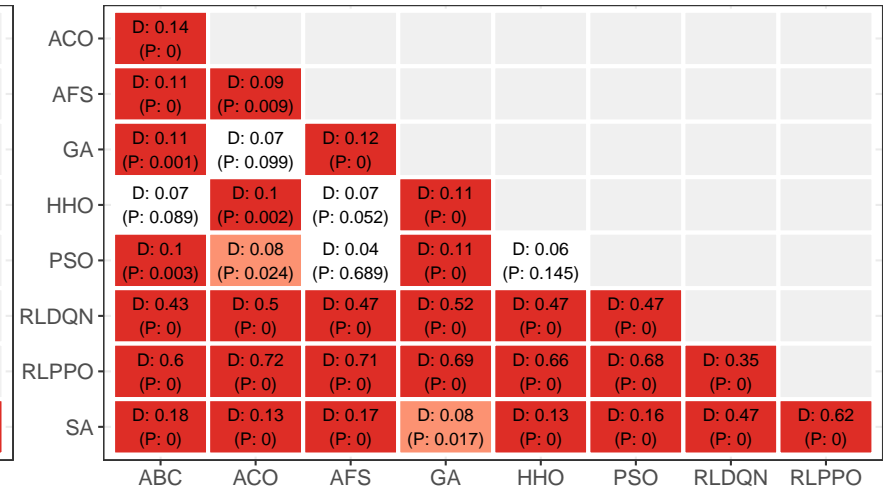
 NS
  P < 0.01

scenario\_5\_servers\_400\_services\_7\_application\_GENERIC



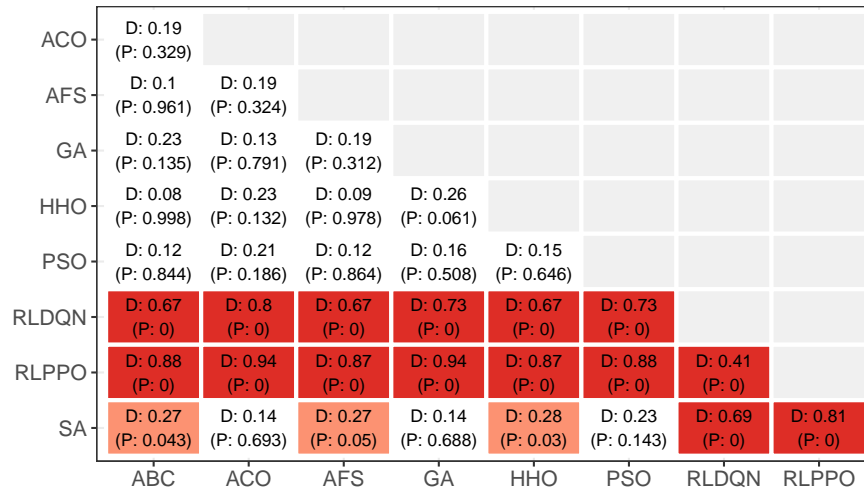
NS P < 0.05 P < 0.01

scenario\_5\_servers\_400\_services\_7\_application\_LTS



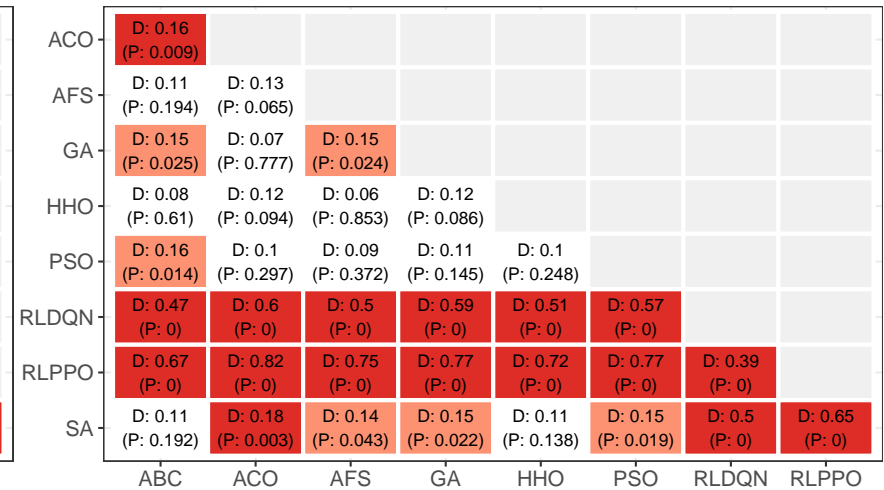
NS P < 0.05 P < 0.01

scenario\_5\_servers\_400\_services\_7\_application\_MMA



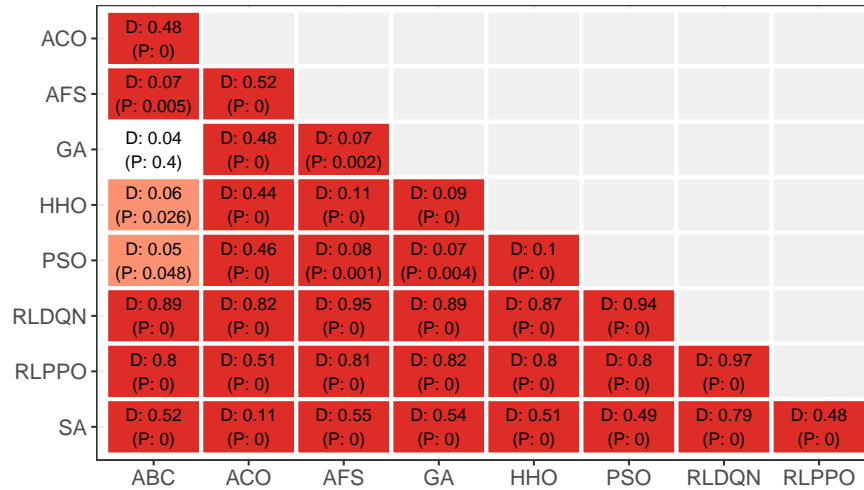
NS P < 0.05 P < 0.01

scenario\_5\_servers\_400\_services\_7\_application\_PWD



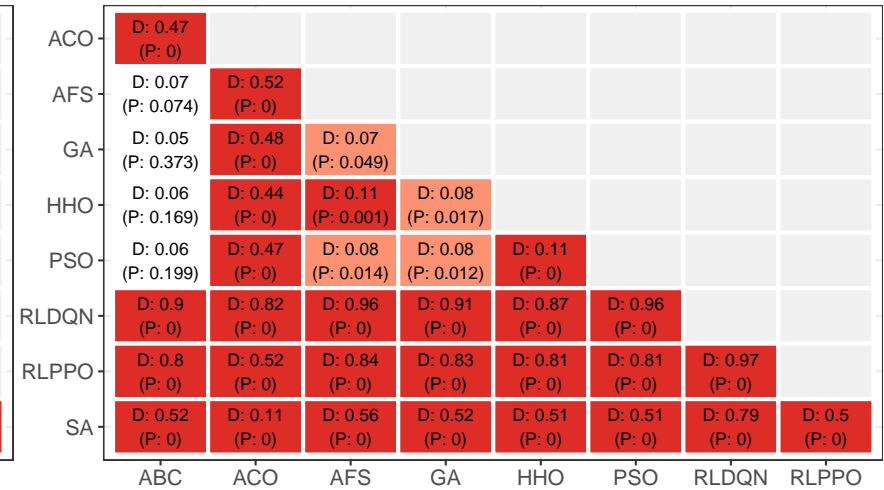
NS P < 0.05 P < 0.01

scenario\_5\_servers\_500\_services\_1\_application\_GENERIC



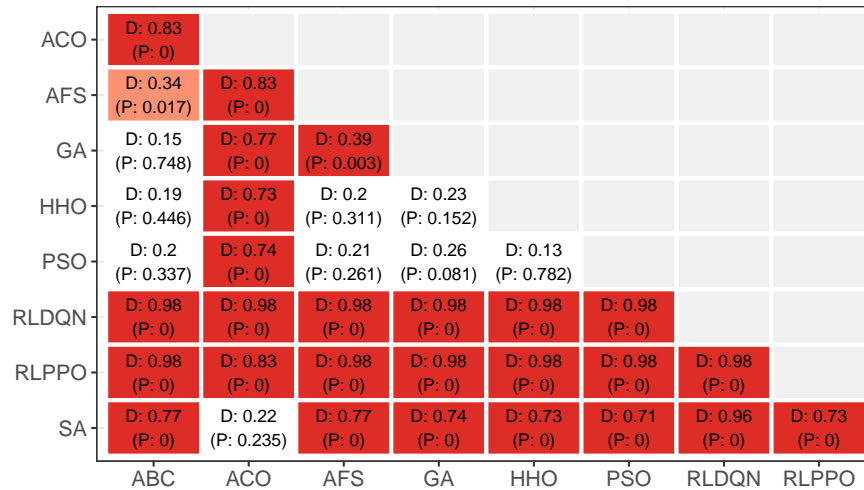
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_500\_services\_1\_application\_LTS



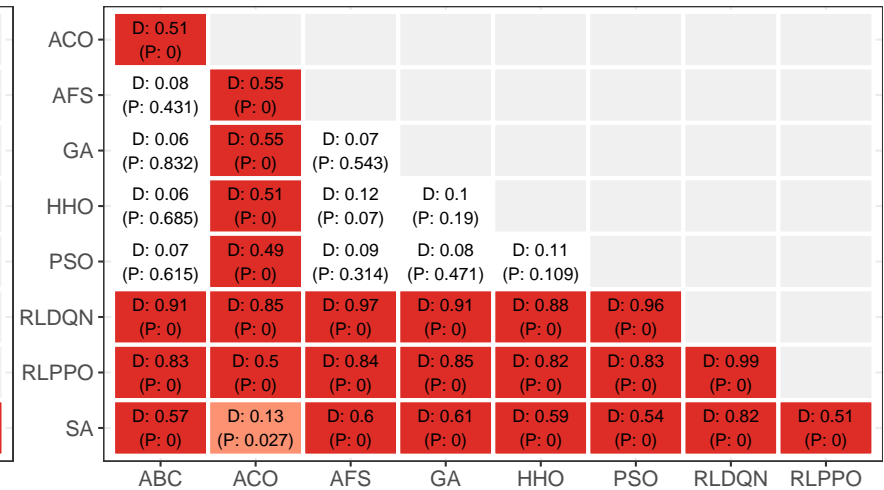
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_500\_services\_1\_application\_MMA



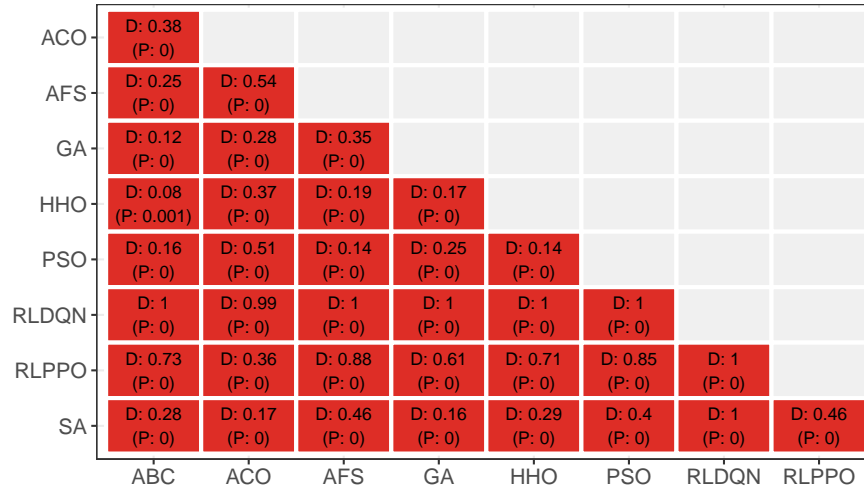
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_500\_services\_1\_application\_PWD



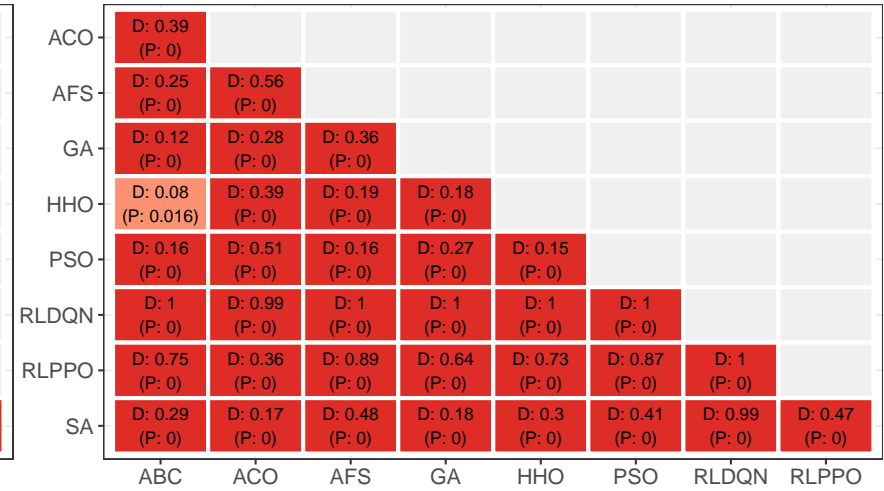
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_500\_services\_3\_application\_GENERIC



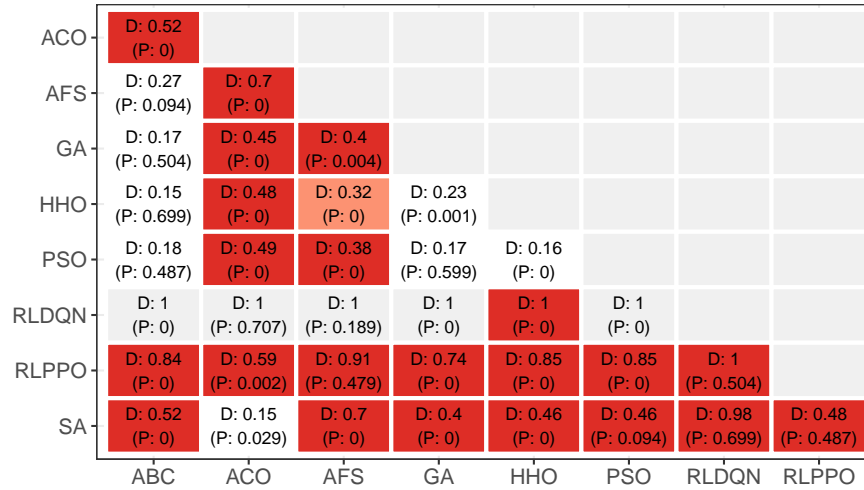
P < 0.01

scenario\_5\_servers\_500\_services\_3\_application\_LTS



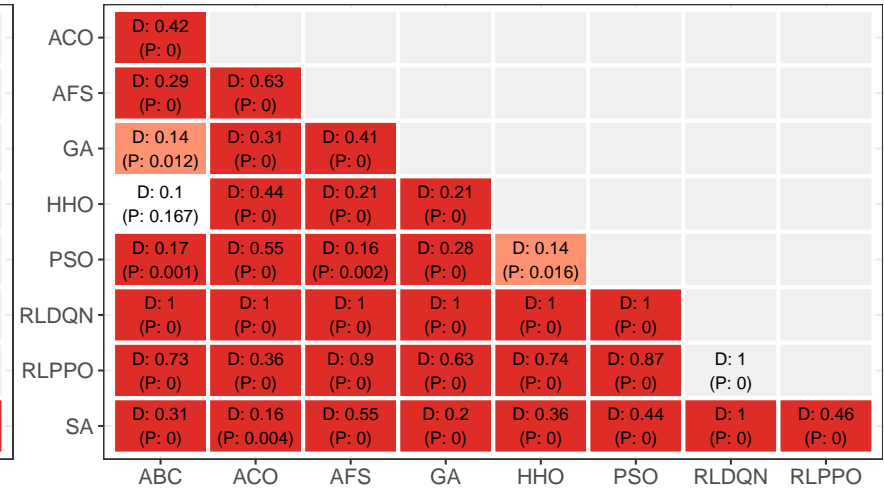
P < 0.05 P < 0.01

scenario\_5\_servers\_500\_services\_3\_application\_MMA



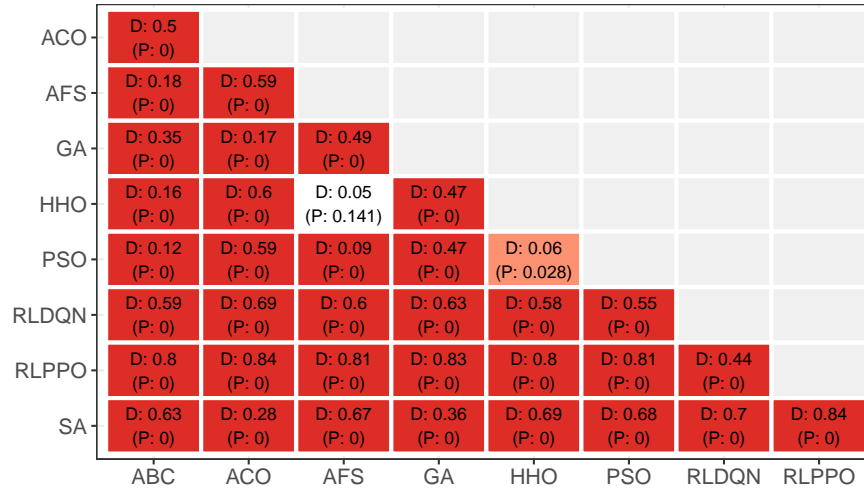
NS P < 0.05 P < 0.01

scenario\_5\_servers\_500\_services\_3\_application\_PWD



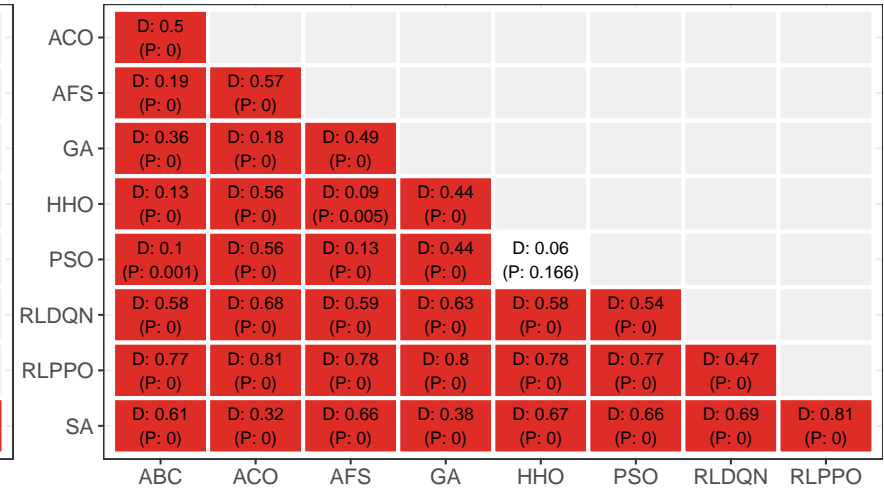
NS P < 0.05 P < 0.01

scenario\_5\_servers\_500\_services\_5\_application\_GENERIC



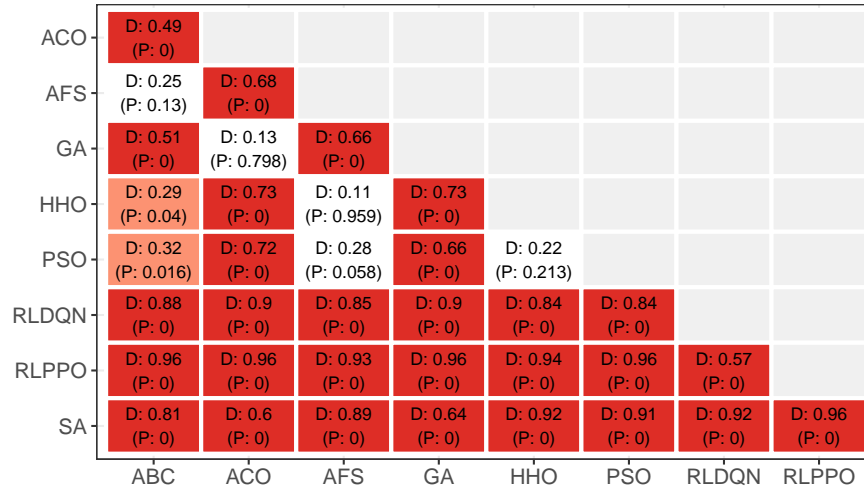
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_500\_services\_5\_application\_LTS



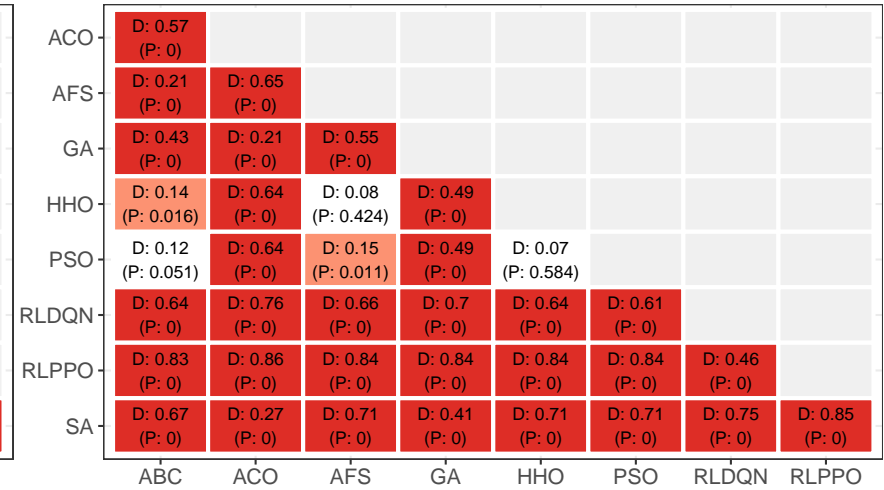
□ NS ■ P < 0.01

scenario\_5\_servers\_500\_services\_5\_application\_MMA



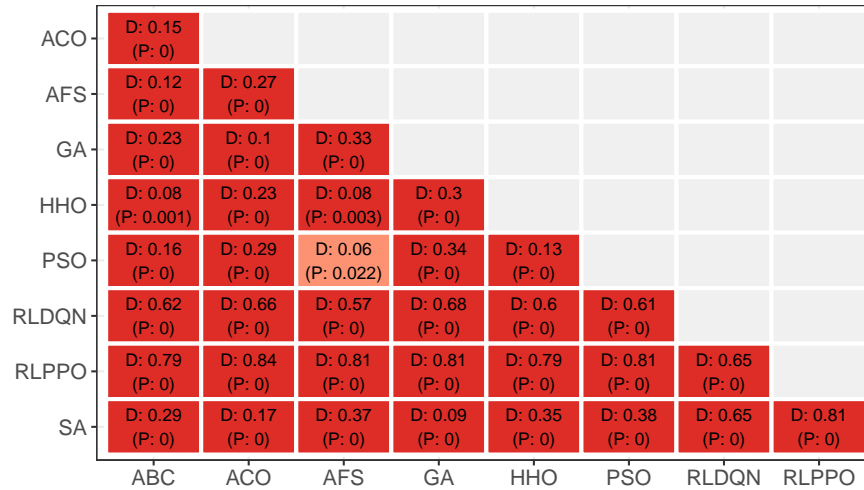
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_500\_services\_5\_application\_PWD



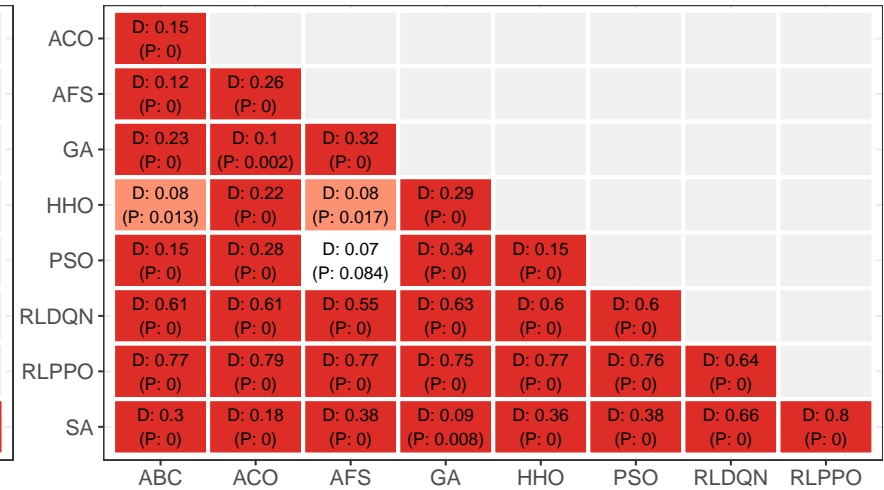
□ NS □ P < 0.05 ■ P < 0.01

scenario\_5\_servers\_500\_services\_7\_application\_GENERIC



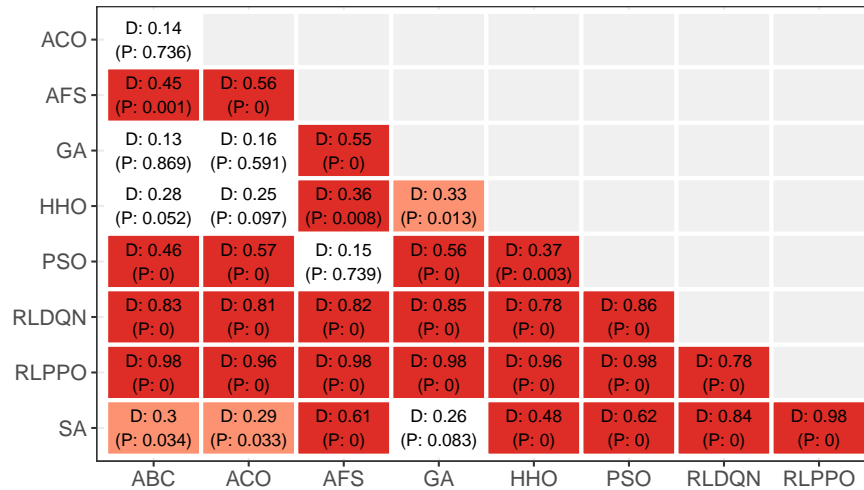
P < 0.05
  P < 0.01

scenario\_5\_servers\_500\_services\_7\_application\_LTS



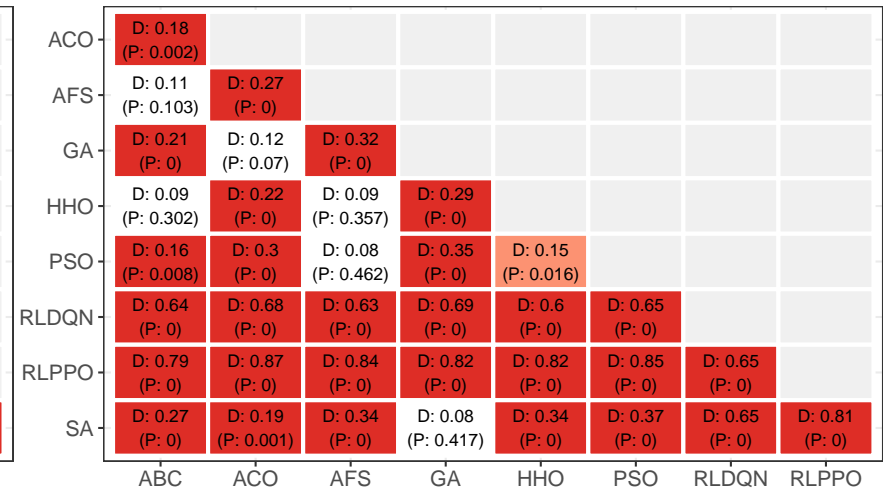
NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_500\_services\_7\_application\_MMA



NS
  P < 0.05
  P < 0.01

scenario\_5\_servers\_500\_services\_7\_application\_PWD



NS
  P < 0.05
  P < 0.01