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> # some synthetic indices
> colMeans(record)
      m100      m200      m400      m800      m1500      m3000      Marathon
11.61855  23.64164  53.40582  124.58182  259.52727  566.85818  10395.19636

> sapply(record, mean)
      m100      m200      m400      m800      m1500      m3000      Marathon
11.61855  23.64164  53.40582  124.58182  259.52727  566.85818  10395.19636

> sapply(record, sd)
      m100      m200      m400      m800      m1500      m3000      Marathon
0.4522103  1.1110602  2.6783367  6.4934466  19.9455319  49.4601474  1825.7726951

> sapply(record, var)
      m100      m200      m400      m800      m1500      m3000      Marathon
2.044941e-01 1.234455e+00 7.173488e+00 4.216485e+01 3.978242e+02 2.446306e+03 3.333446e+06

> cov(record)
      m100      m200      m400      m800      m1500      m3000      Marathon
m100      0.2044941  0.4787135  1.010955  2.136788  6.569596  16.58912  566.6616
m200      0.4787135  1.2344547  2.550142  5.223808  15.476232  39.00968  1390.7176
m400      1.0109549  2.5501422  7.173488  15.624737  42.087172  103.01428  3449.5477
m800      2.1367879  5.2238081  15.624737  42.164848  116.772727  277.34848  9238.9436
m1500     6.5695960  15.4762323  42.087172  116.772727  397.824242  956.09394  31970.8279
m3000     16.5891232  39.0096808  103.014285  277.348485  956.093939  2446.30618  81258.0017
Marathon 566.6616242 1390.7175616 3449.547725 9238.943636 31970.827879 81258.00170 3333445.9341

> cor(record)
      m100      m200      m400      m800      m1500      m3000      Marathon
m100      1.0000000  0.9527911  0.8346918  0.7276888  0.7283709  0.7416988  0.6863358
m200      0.9527911  1.0000000  0.8569621  0.7240597  0.6983643  0.7098710  0.6855745
m400      0.8346918  0.8569621  1.0000000  0.8984052  0.7878417  0.7776369  0.7054241
m800      0.7276888  0.7240597  0.8984052  1.0000000  0.9016138  0.8635652  0.7792922
m1500     0.7283709  0.6983643  0.7878417  0.9016138  1.0000000  0.9691690  0.8779334
m3000     0.7416988  0.7098710  0.7776369  0.8635652  0.9691690  1.0000000  0.8998374
Marathon 0.6863358  0.6855745  0.7054241  0.7792922  0.8779334  0.8998374  1.0000000

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