4.12.23

Re-running w/ a different sampling space.

Not more points, but more evenly distributed.

Neural net, linear regression,

   • NN does appreciably better than the lm.

So w/ these data it may be useful to do a model

comparison looking @ recovery/predictions of

new means from different mods...
(test set)

         • random Forest
         • linear reg (?)
         • DNN
         • KNN reg
         $\}$ WOW the
         KNN interpolation
         is really bad!!!!!!!

and in particular
wondering if any of
these gets us close
enough to be useful
for the feasible
set.

Some thoughts:

- 500 draws from $200 \times 20{,}000$ is still v. sparse sampling. I wonder if any (all of these would do better w/ denser sampling — or, you know, they all would; and I suspect some will do better than others @ different points on that continuum.

  ↳ yeah this is 0.000125, or .01 %, of actual sample space.

  So if you can't get good absolute recall, that's a clear space for improvement. It'd take maybe 5 days sampling continuously to make it up to 1%, & that would likely qualitatively change things here.