First simulation covariate balance plots of 10 randomly sampled models:

A screenshot of a graph

Description automatically generated

Second simulation covariate balance plots of 10 randomly sampled models:

A chart of different sizes of covariates

Description automatically generated with medium confidence

**Revised response to question comparing percent improved distributions:** The distribution of the KNN method improvement percent is centered at a lower mean than the original matching method, suggesting that the original matching method offers better mean balancing improvements than KNN.