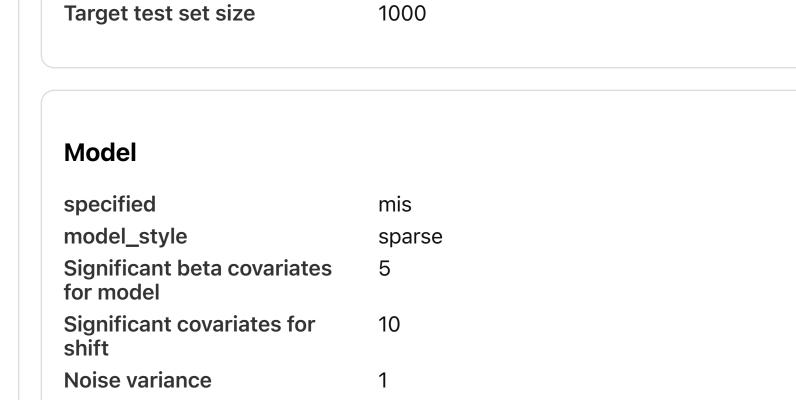
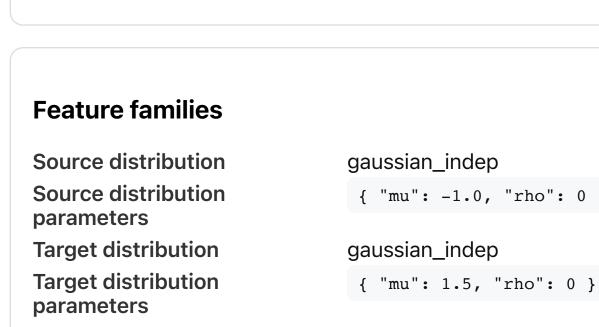
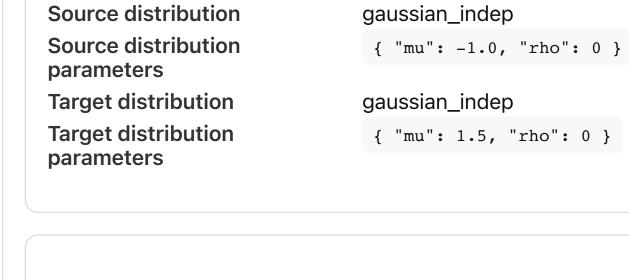
### Importance-Weighted Ridge Results Configuration **Simulation** dimension\_regime highdim gamma = p/n1.5 sample sizes (n) 50, 100, 150, 200, 300, 500, 1000, 1500, 2000

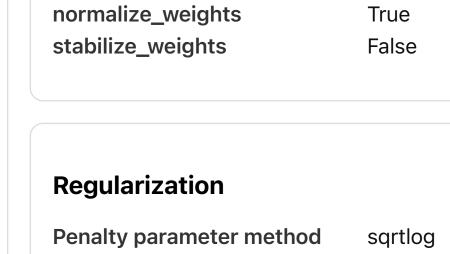
R (MC replications)



500







Weight using only significant True

covariates (only possible

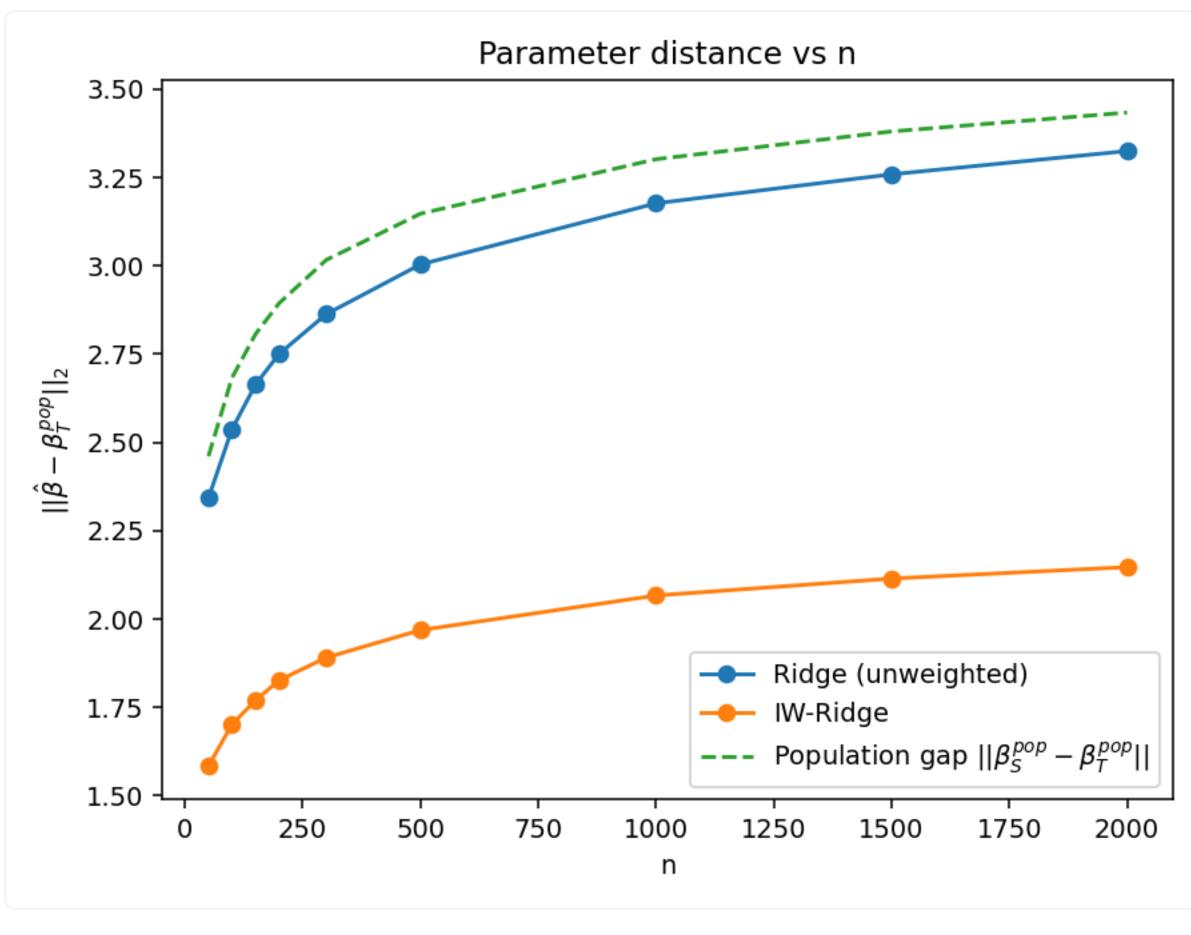
Weighting

when IID)

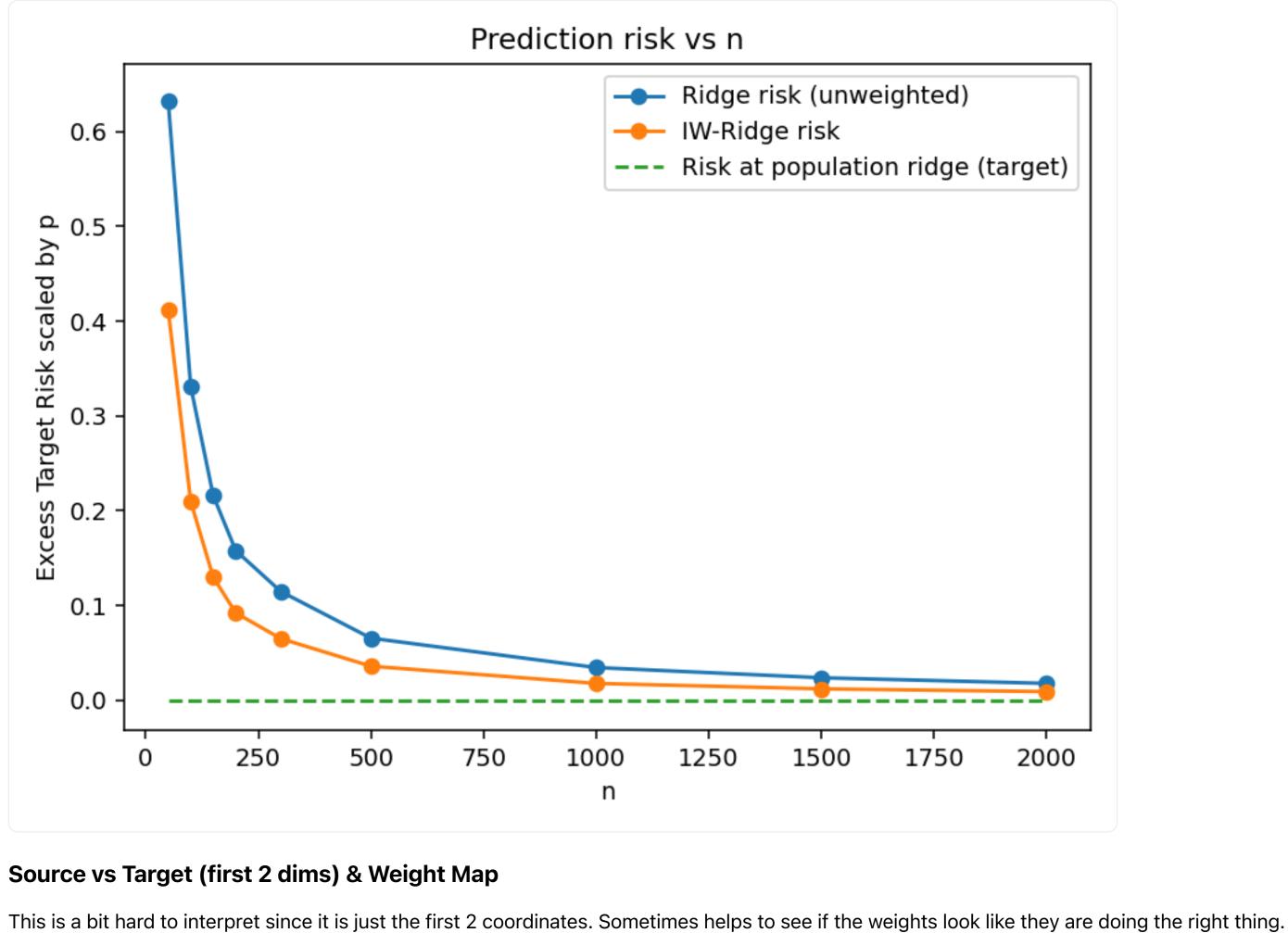
**Figures** 

## constant (in front of $\sqrt{[\log(p)/n]}$

# Parameter distance from target population coefficient



**Excess Prediction risk scaled by p** 



## 4

Source vs Target (first 2 dims)

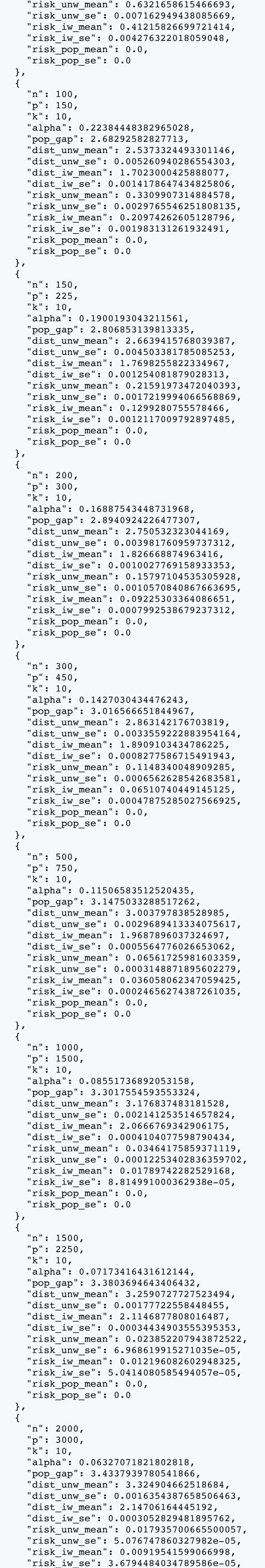


Weight map (log w) on source samples

### "dist unw mean": 2.342535489756742, "dist\_unw\_se": 0.006928778533741192, "dist\_iw\_mean": 1.5838572185442177, "dist\_iw\_se": 0.002404742221584963,

"k": 10,

"alpha": 0.29385330059525655, "pop\_gap": 2.4609071633514192,



"risk\_pop\_mean": 0.0, "risk\_pop\_se": 0.0