

Summary Statistics

Tensor shape: (10, 20, 20, 4)

Number of validation spots: 157

Genes

kept: 10 of 10 (100.0%)

Final MAE: 0.31682

Final MAPE: 0.16481

Final

R^2 : 0.55726

Time per iteration: 00:00.088

FIST.py

example/example_data.csv example/ --verbose --report -p

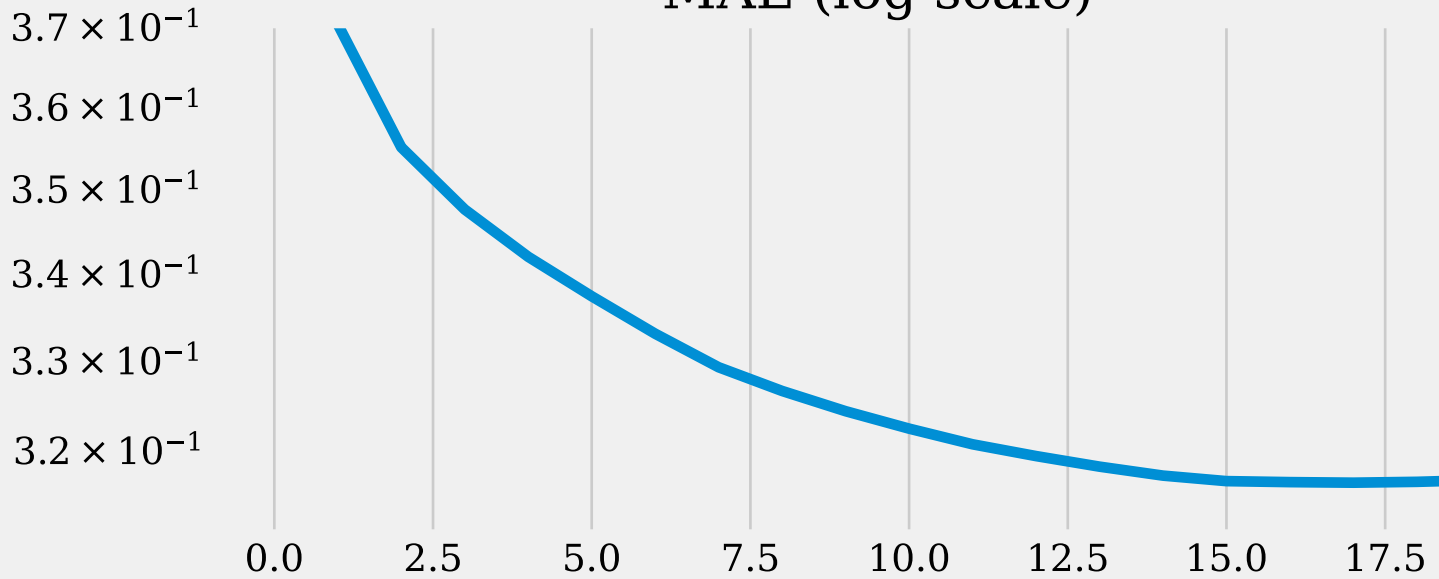
example/PPI.txt -n 20x20x20 -gp A,B,C,D,E,F,G,H,I,J -r 0 -l 0.01 -v
0.1

Spatially Variable Genes

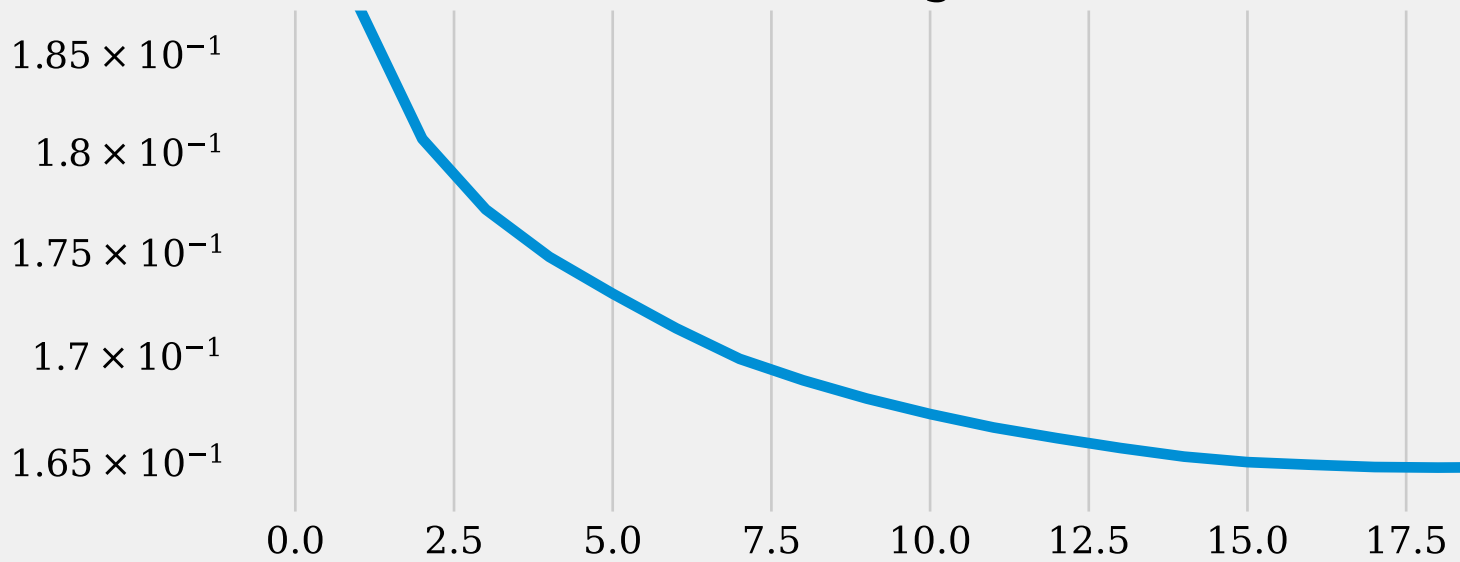
F
H
D
A
I
C
J
B
G
E

Validation Metrics

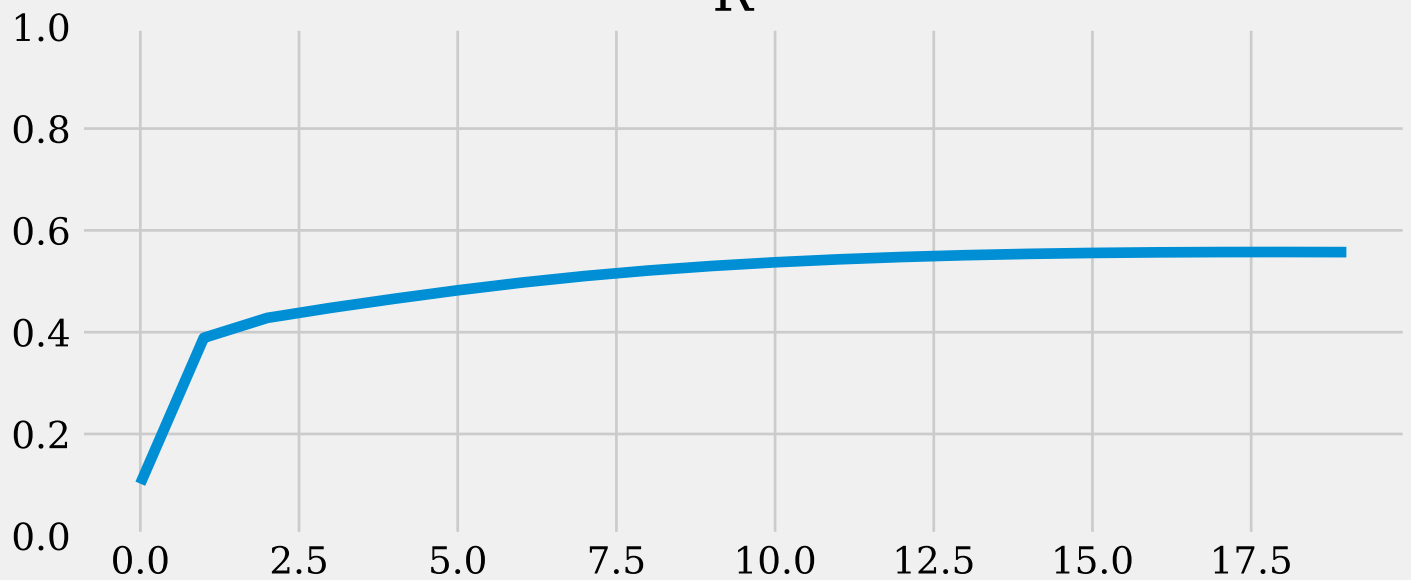
MAE (log scale)



MAPE (log scale)

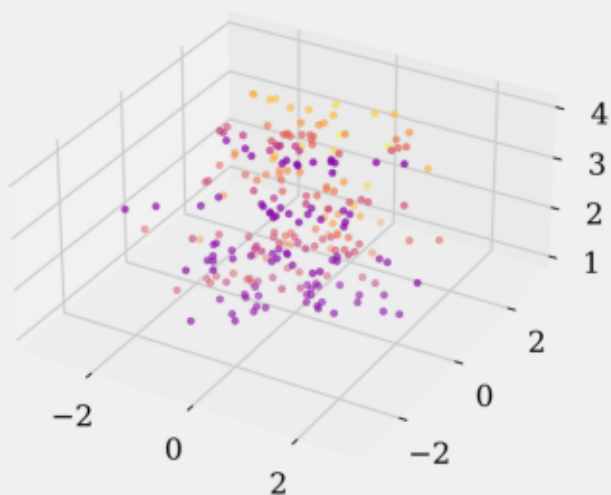


R^2

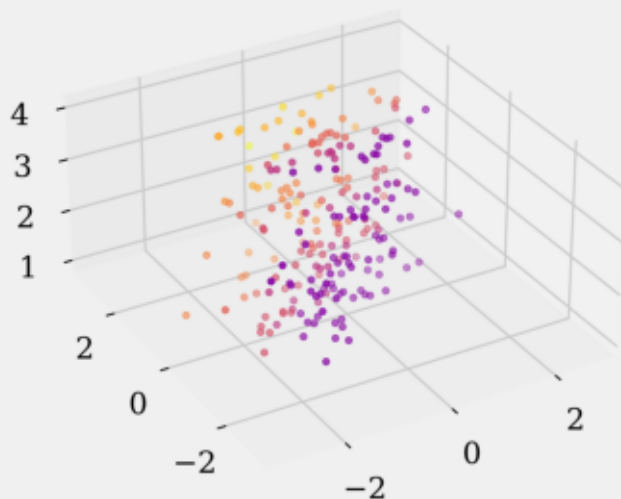


A

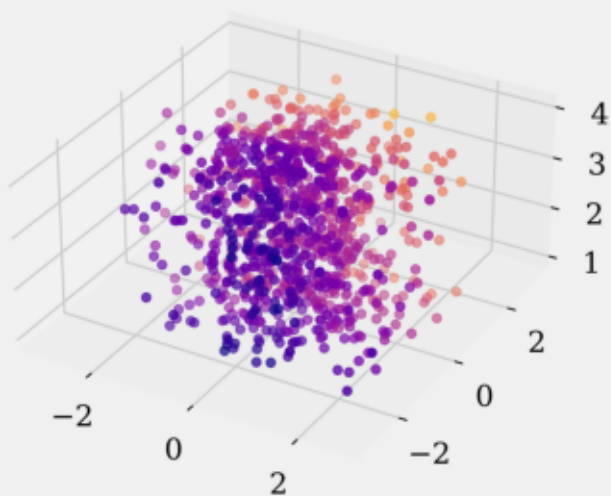
Pre-imputation



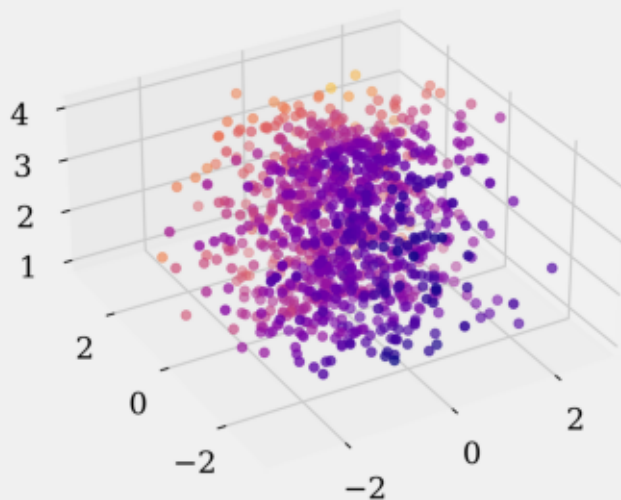
Pre-imputation



Post-imputation



Post-imputation

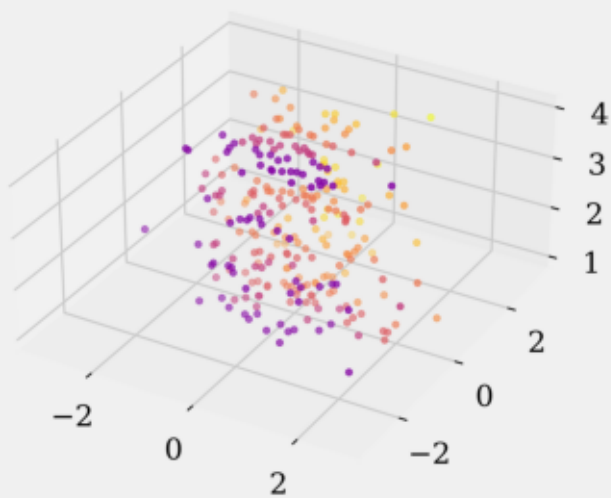


10^0

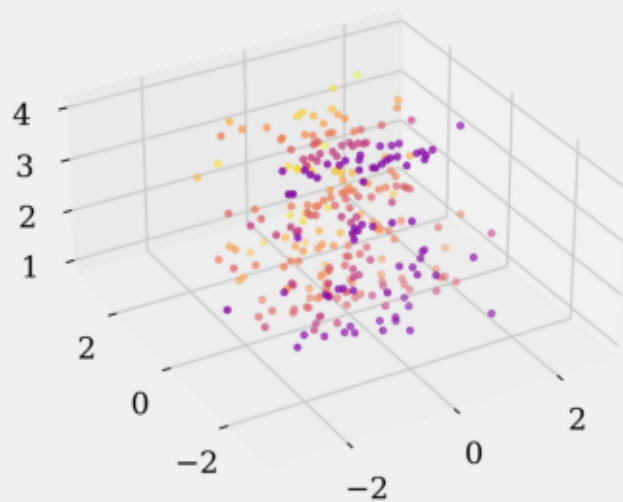
10^1

B

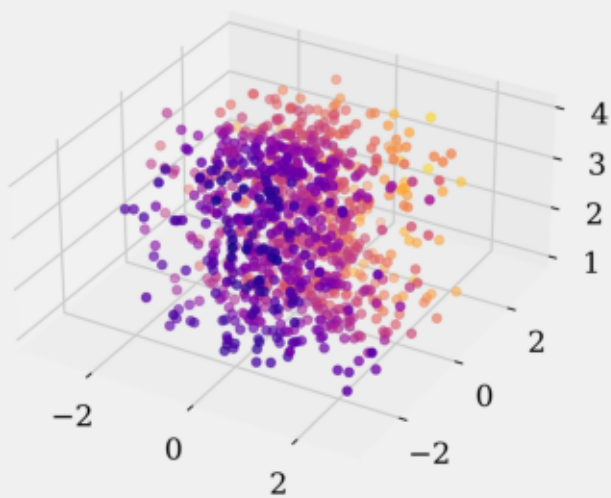
Pre-imputation



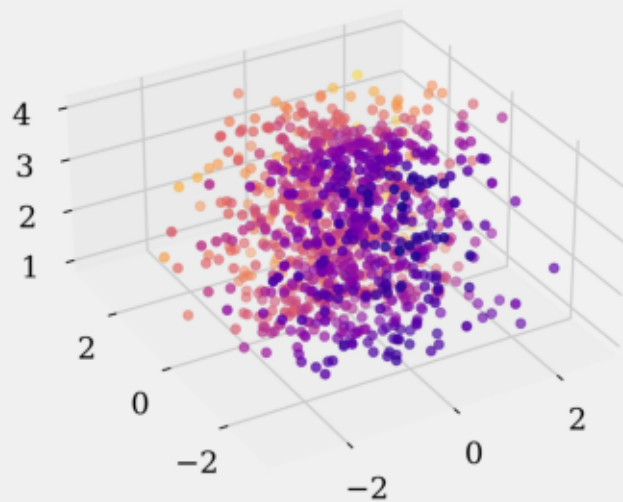
Pre-imputation



Post-imputation



Post-imputation

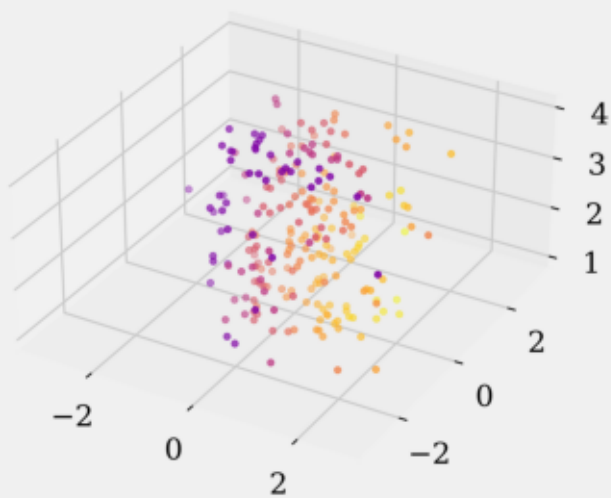


10^0

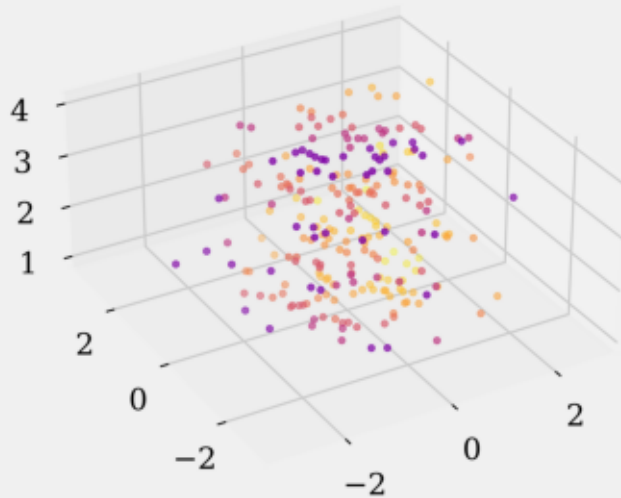
10^1

C

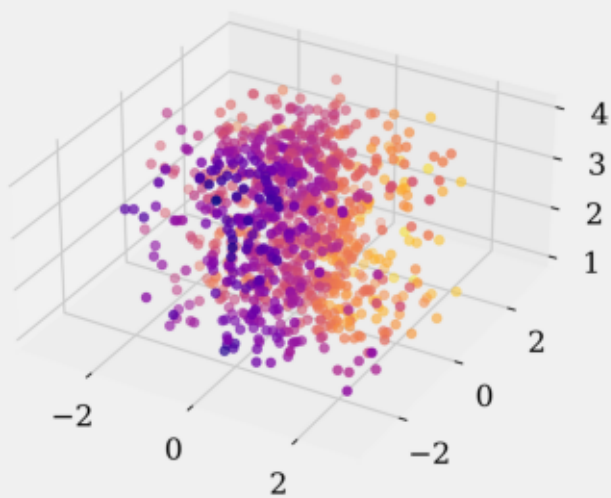
Pre-imputation



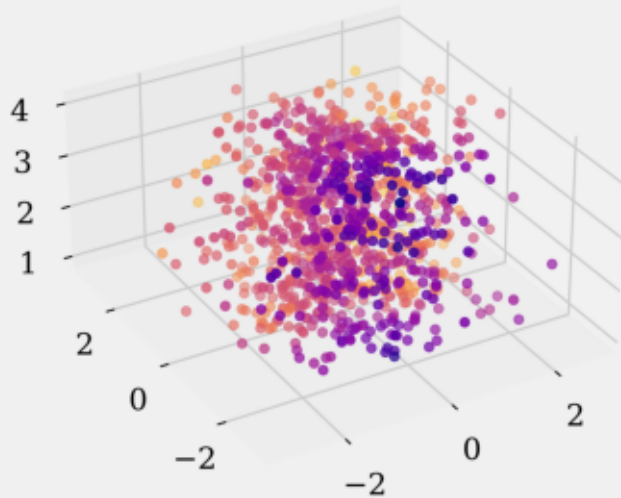
Pre-imputation



Post-imputation



Post-imputation

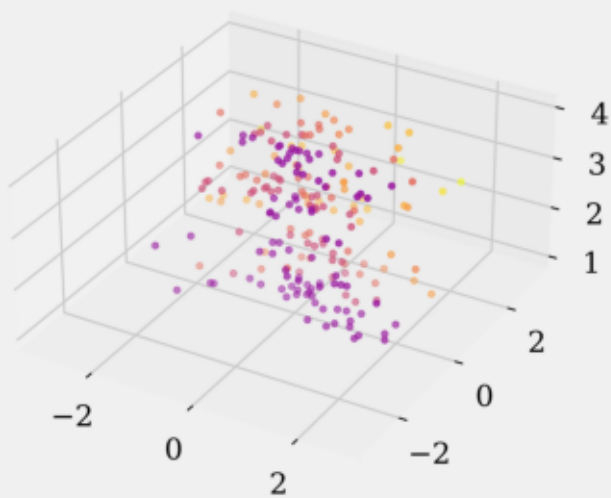


10^0

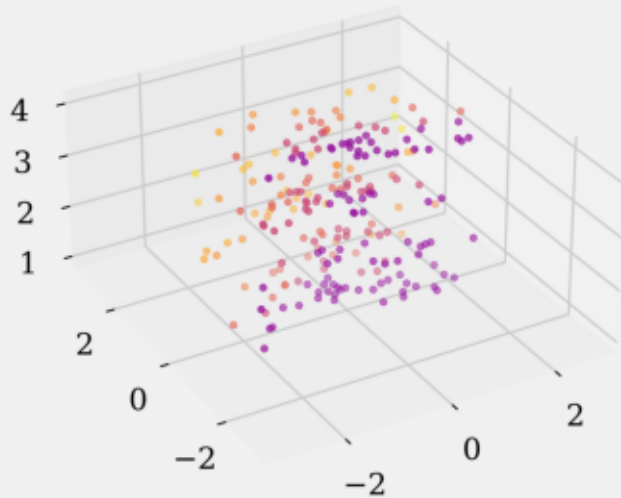
10^1

D

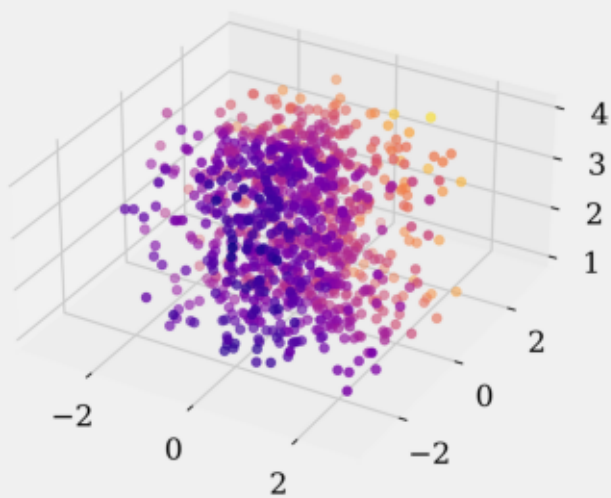
Pre-imputation



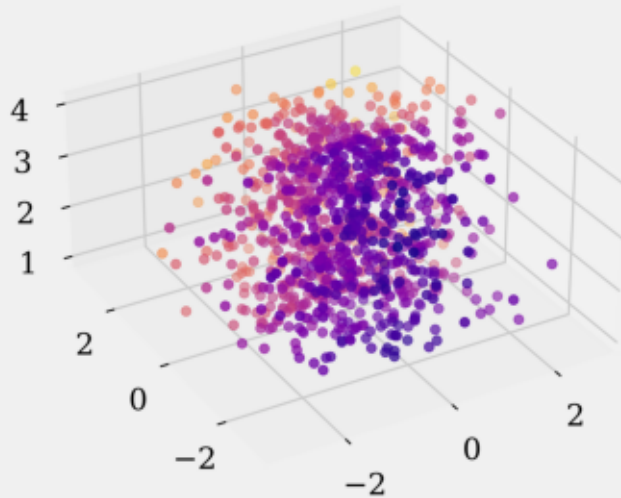
Pre-imputation



Post-imputation



Post-imputation

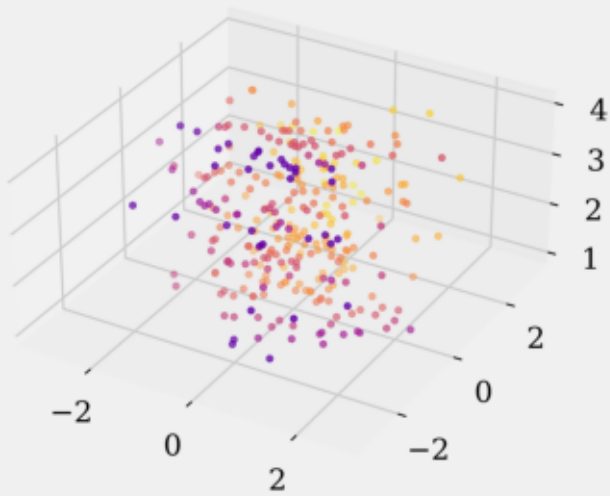


10^0

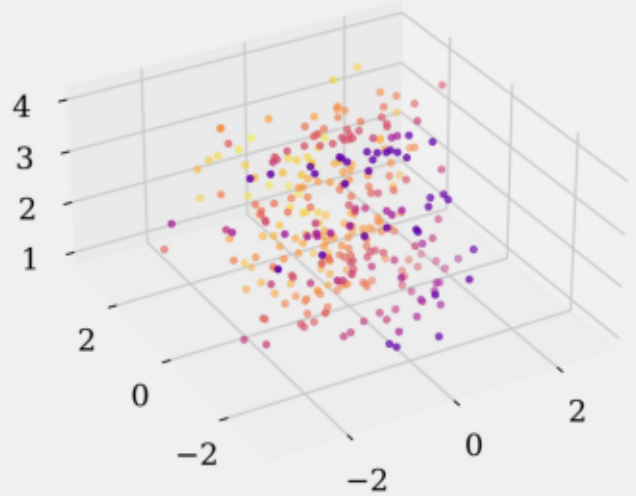
10^1

E

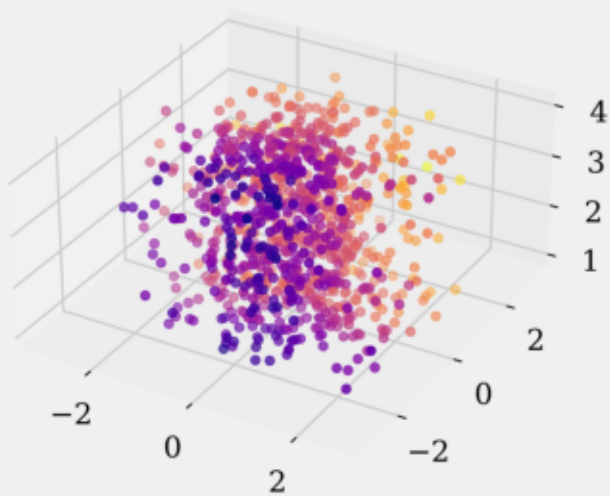
Pre-imputation



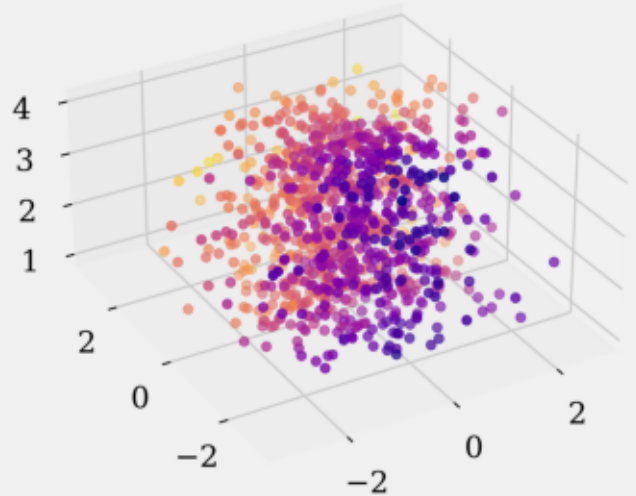
Pre-imputation



Post-imputation



Post-imputation

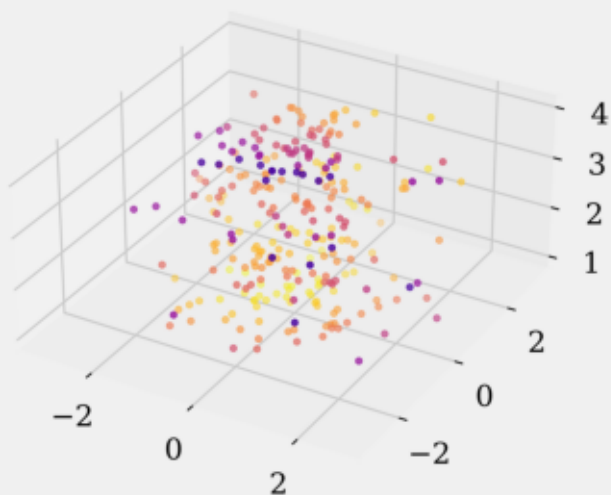


10^0

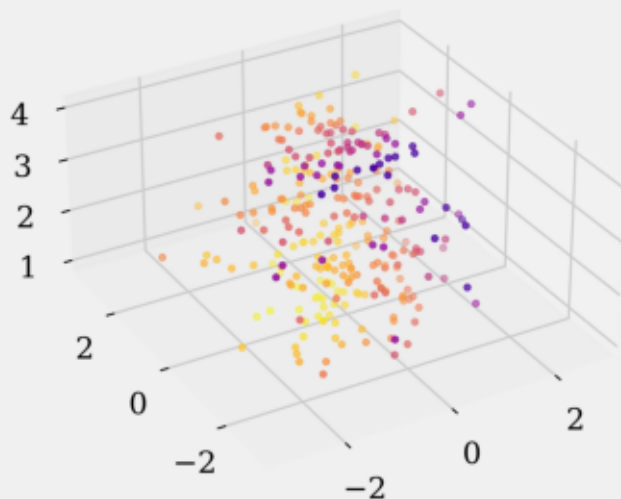
10^1

F

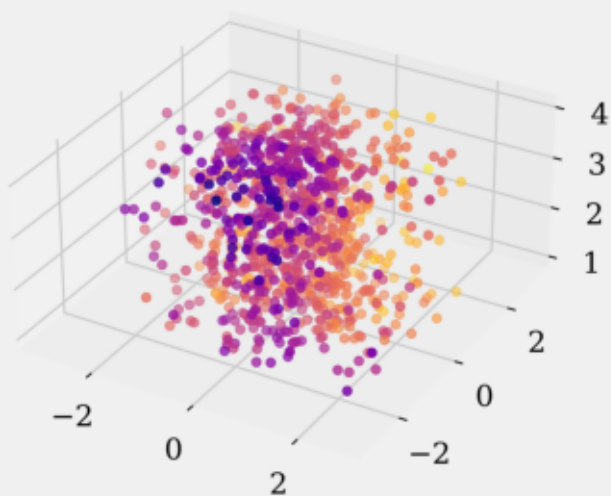
Pre-imputation



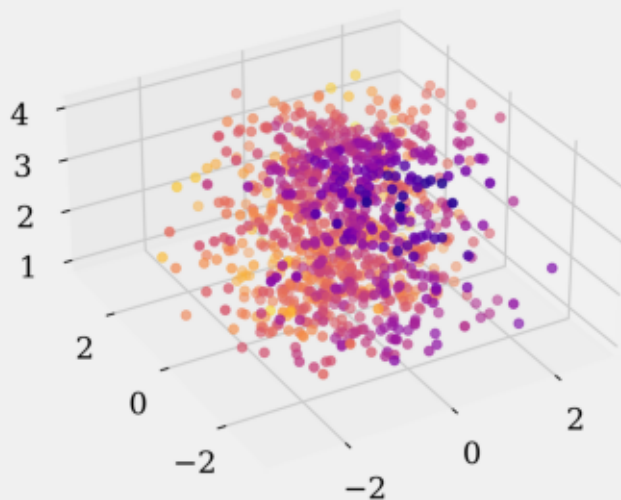
Pre-imputation



Post-imputation



Post-imputation

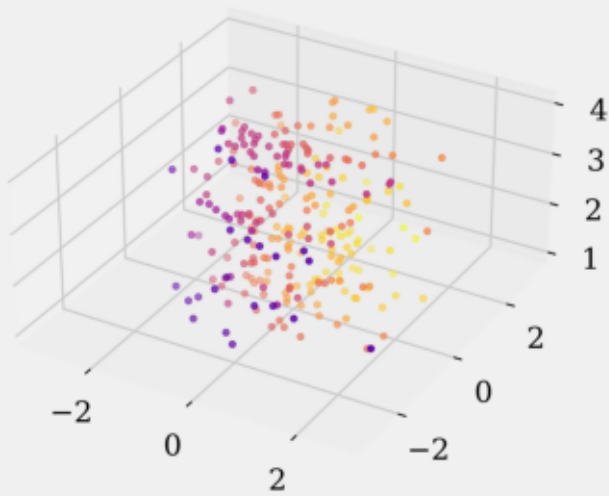


10^0

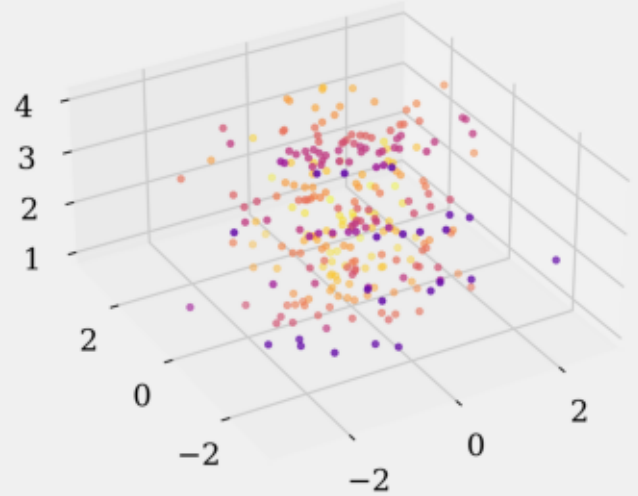
10^1

G

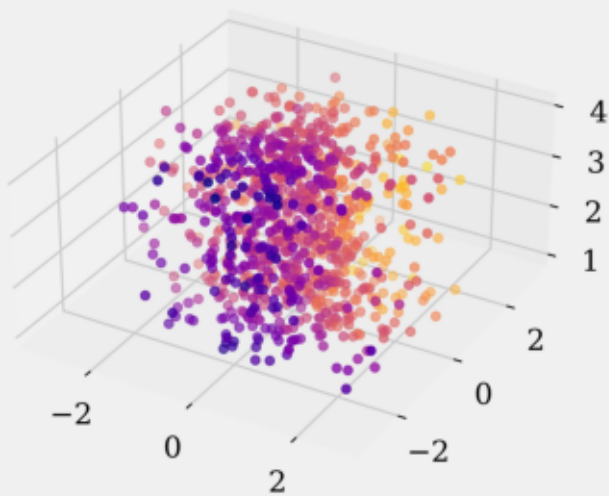
Pre-imputation



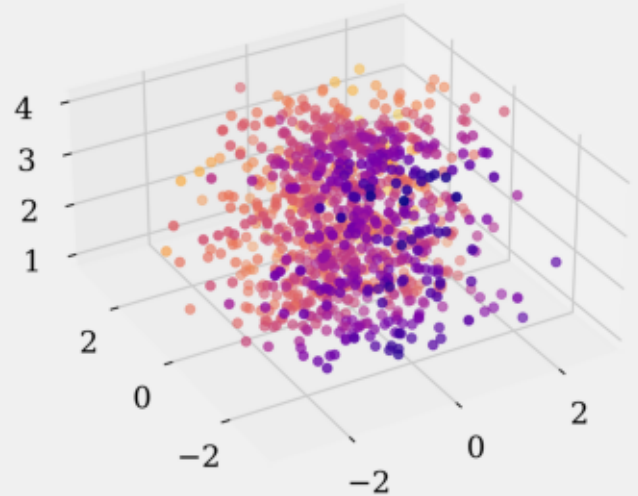
Pre-imputation



Post-imputation



Post-imputation

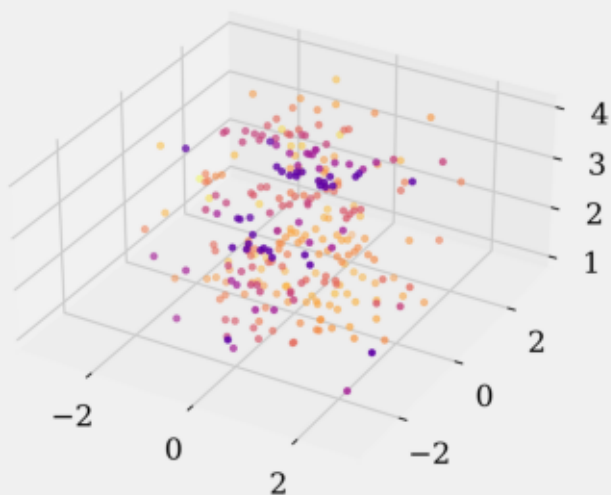


10^0

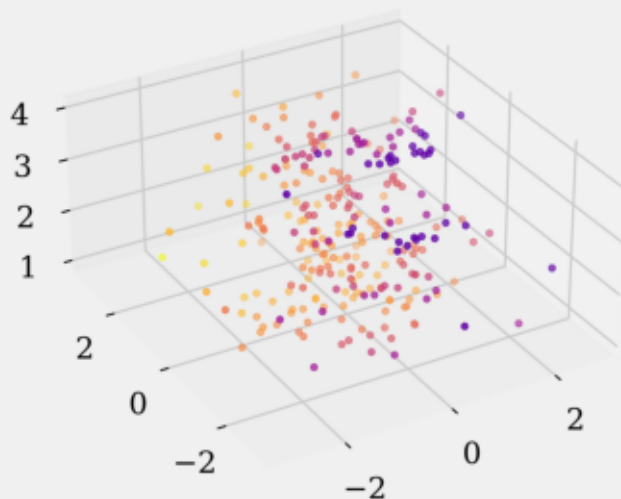
10^1

H

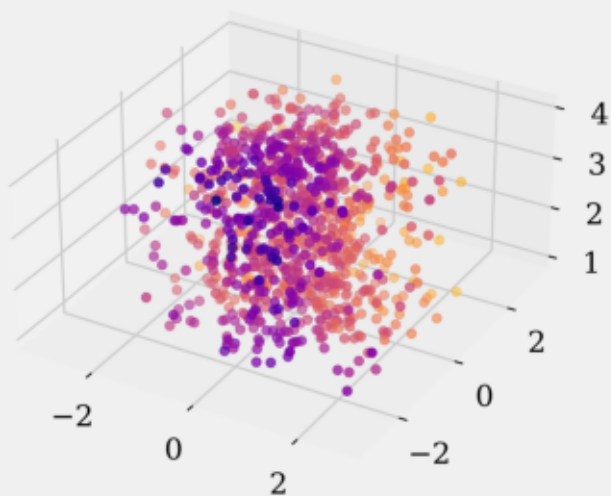
Pre-imputation



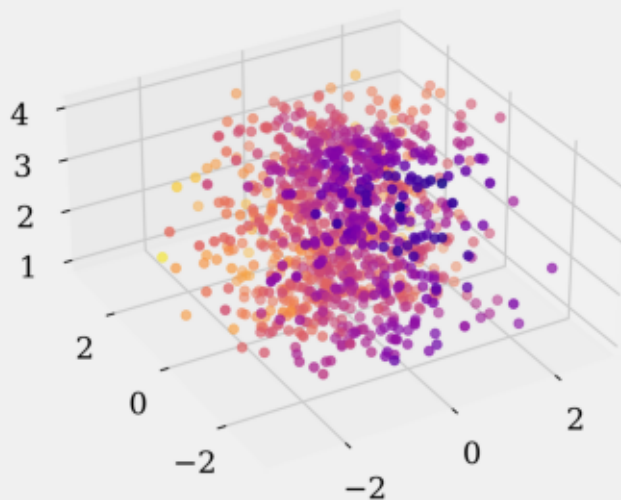
Pre-imputation



Post-imputation



Post-imputation

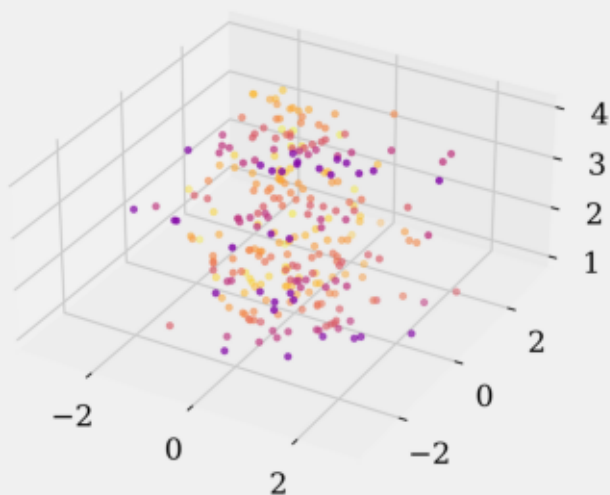


10^0

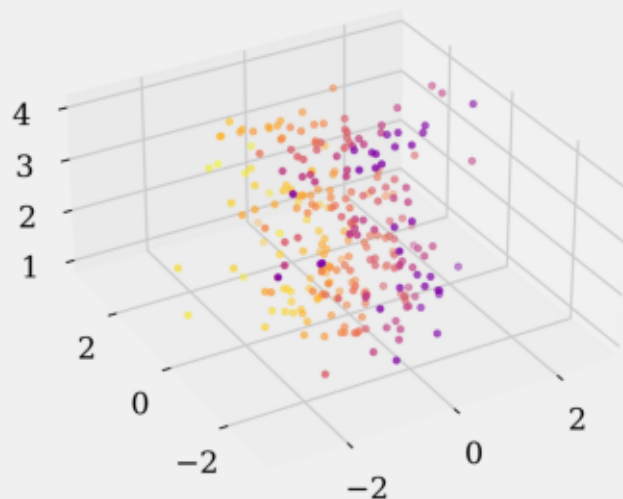
10^1

I

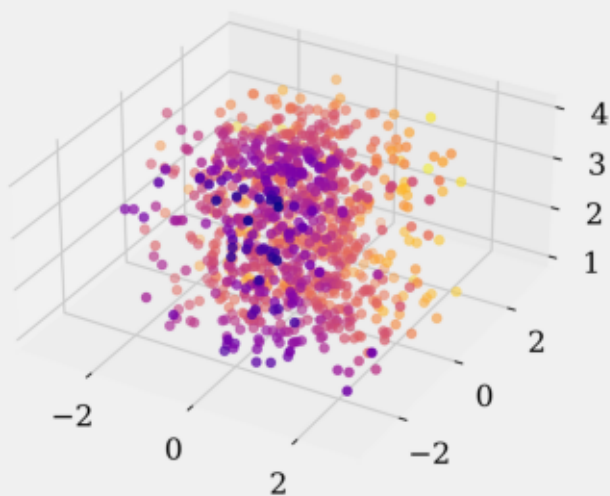
Pre-imputation



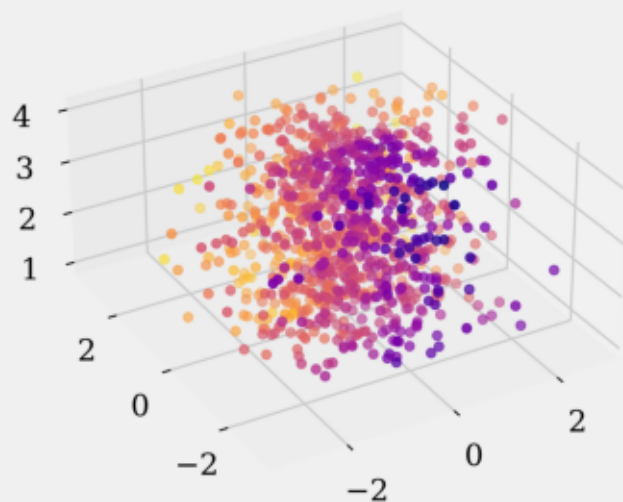
Pre-imputation



Post-imputation



Post-imputation

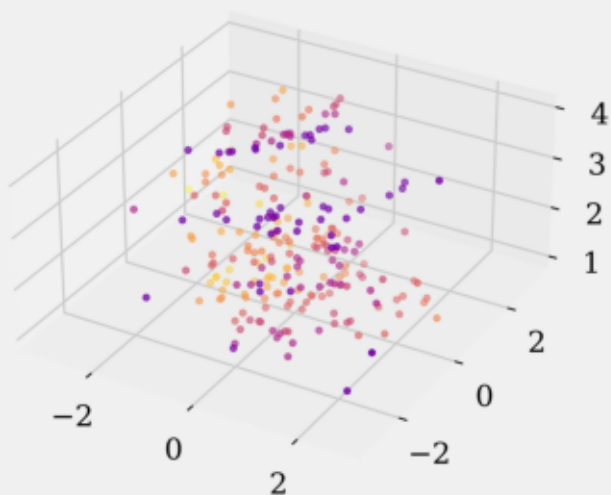


10^0

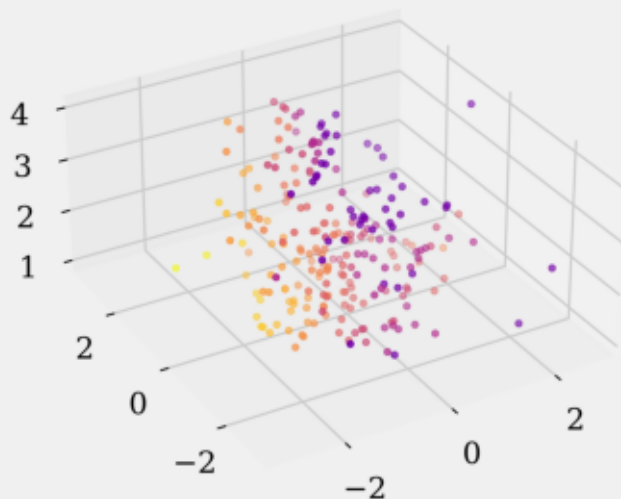
10^1

J

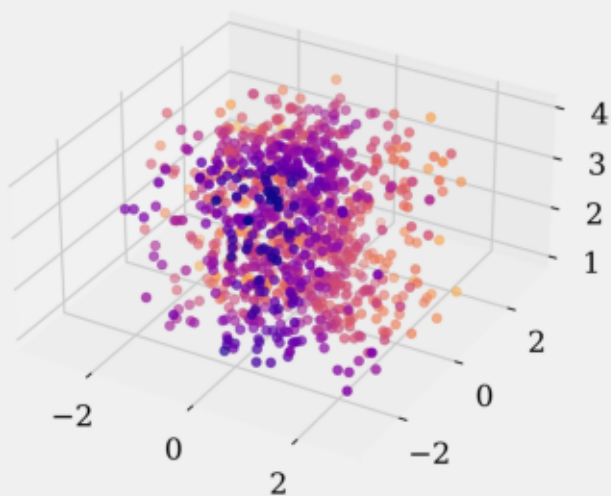
Pre-imputation



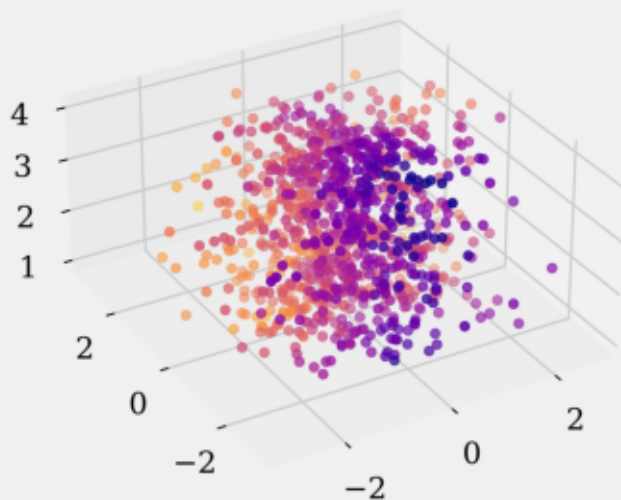
Pre-imputation



Post-imputation



Post-imputation



10^0

10^1