Koushik Sahu 118CS0597 Machine Learning Lab - IV 28th September 2021

Output:

Correlation matrix [[1.0,

- -0.335642195508513,
- -0.3785606178715616,
- -0.32099978976972116,
- -0.3010897113958365,
- -0.25050229252073214],
- [-0.335642195508513,

1.0,

- 0.7581573478037231,
- 0.5347290904835281,
- 0.5171892214181076,
- 0.2669074311252619],
- [-0.3785606178715616,
- 0.7581573478037232,
- 1.000000000000000002,
- 0.5379898185263052,
- 0.5605134214806345,
- 0.5272461816383357],
- [-0.32099978976972116,
- 0.5347290904835281,
- 0.5379898185263051,
- 1.0000000000000004,
- 0.5822454590800031,
- 0.48784576802832064],
- [-0.3010897113958365,
- 0.5171892214181076,
- 0.5605134214806345,
- 0.5822454590800031,

1.0,

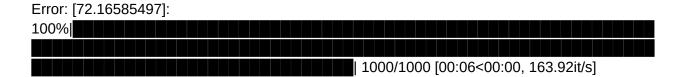
- 0.5482812070286769],
- [-0.2505022925207322,
- 0.2669074311252619,
- 0.5272461816383357,
- 0.4878457680283206,
- 0.5482812070286769,

1.0]]

Correlation with PRP: MYCT: -0.3070994470957124

MMIN: 0.7949313405266915 MMAX: 0.8630041243651341 CACH: 0.6626414266783193 CHMIN: 0.6089032834114069 CHMAX: 0.605209292812674

Considering threshold at 0.65 we pick MMIN, MMAX, CACH as our features



Ttest_indResult(statistic=10.355846734669813, pvalue=5.795610263826171e-22)

Ttest indResult(statistic=13.668530381950385, pvalue=4.7368469939094505e-34)

Ttest indResult(statistic=-6.843059223012634, pvalue=3.748680035726683e-11)

R² value:

0.12785593327407194