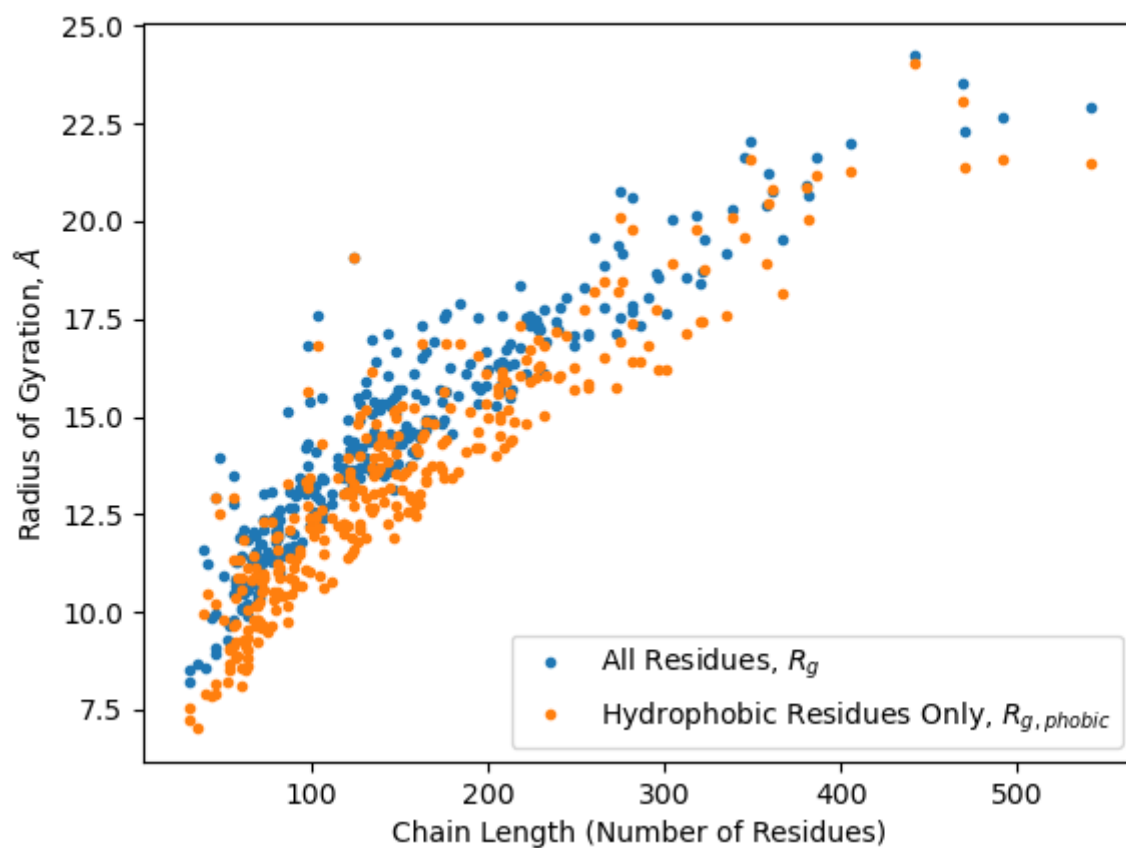
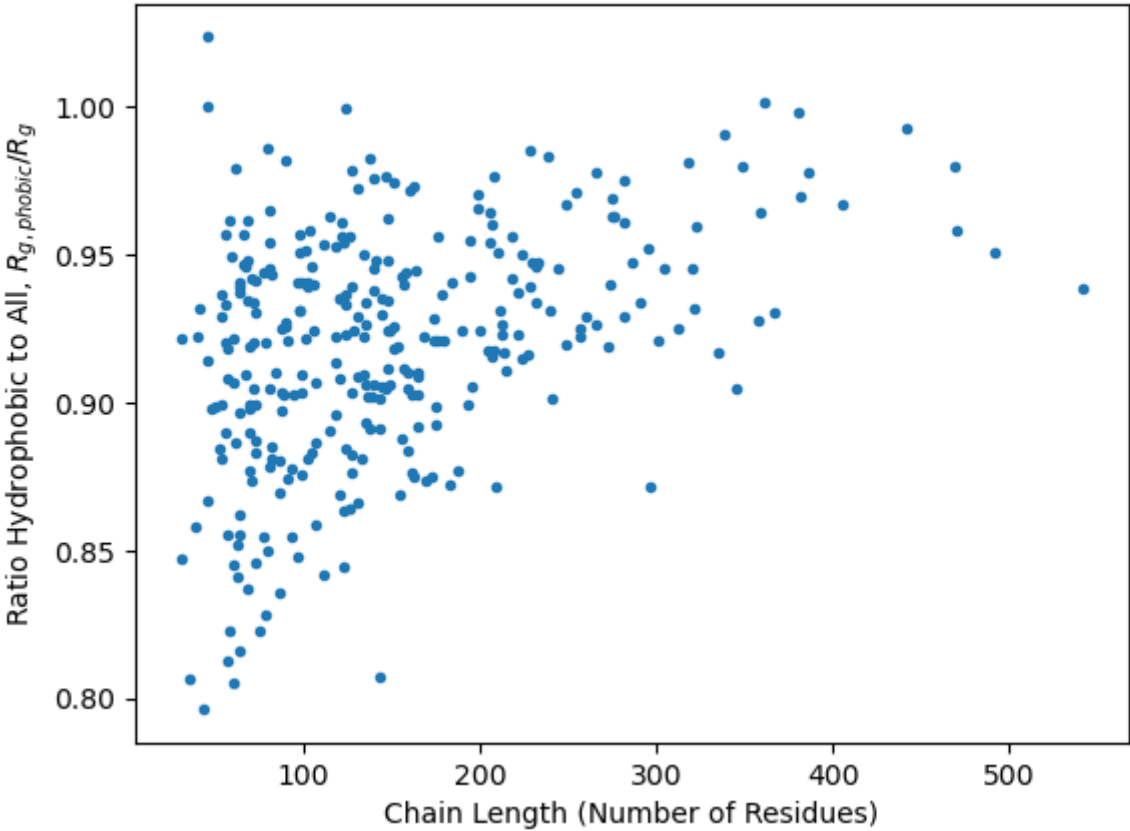


pdb_analysis

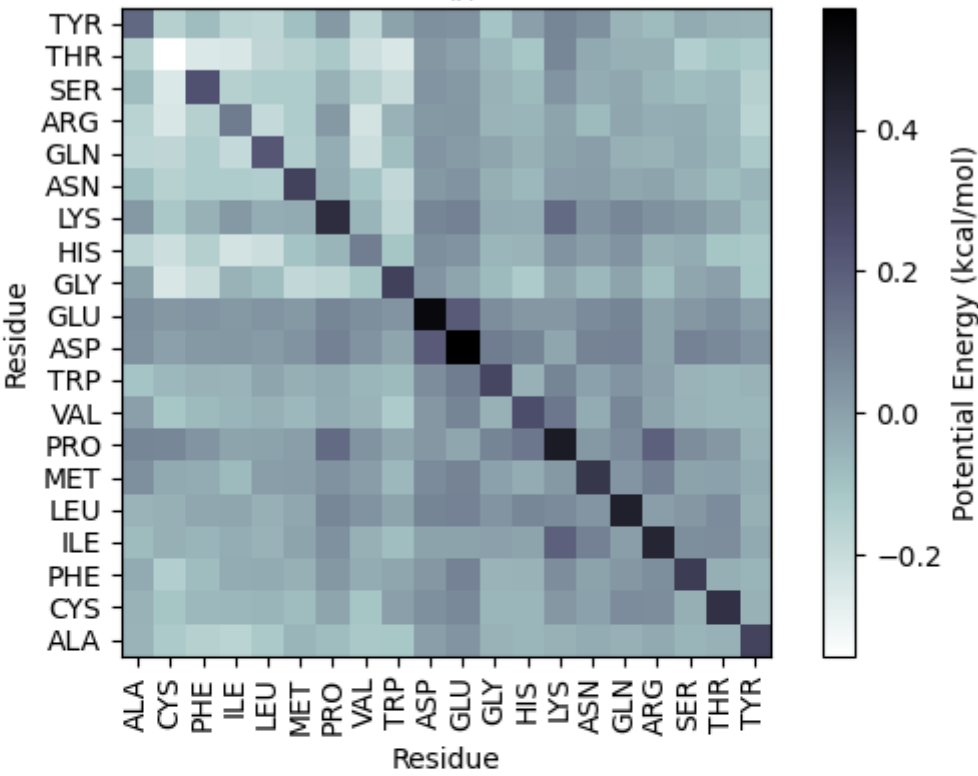
Jackson Sheppard CH E 210D - Exercise 1 10/05/22





Amino Acid Contact Statistical Interaction Potential

$$u_{kl} = -k_B T \ln \frac{C_{kl}}{f_k f_l}, \quad T=300 \text{ K}$$



Lowest Energy Interactions (RES-RES)	Lowest Energies (kcal/mol)	Highest Energy Interactions (RES-RES)	Highest Energies (kcal/mol)
CYS-CYS	-0.343109	GLU-GLU	0.571927
CYS-PHE	-0.247388	ASP-ASP	0.530072
CYS-ILE	-0.242653	LYS-LYS	0.458285
CYS-TRP	-0.240138	GLN-GLN	0.438962
ILE-VAL	-0.225613	ARG-ARG	0.417976