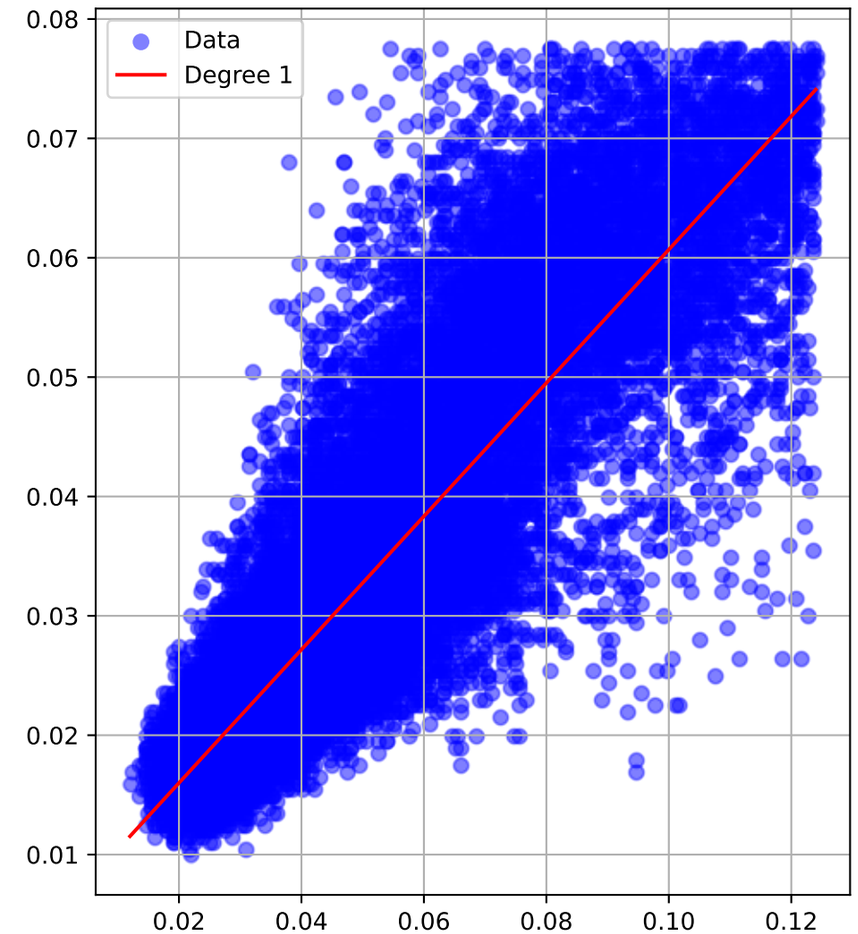
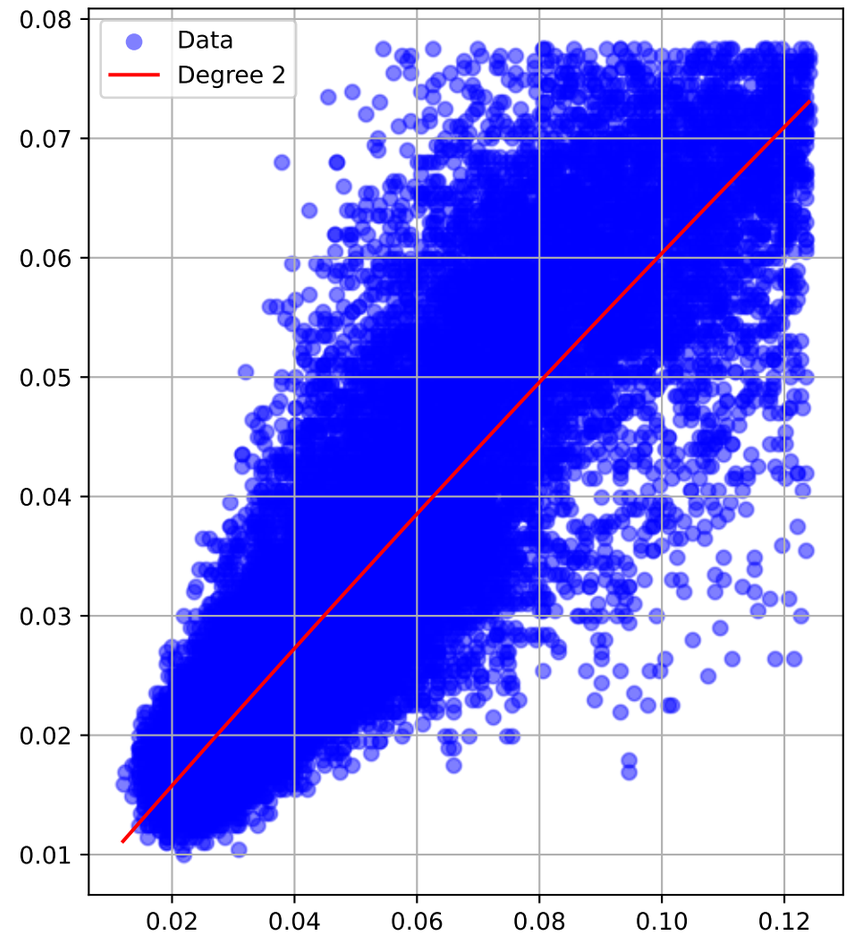
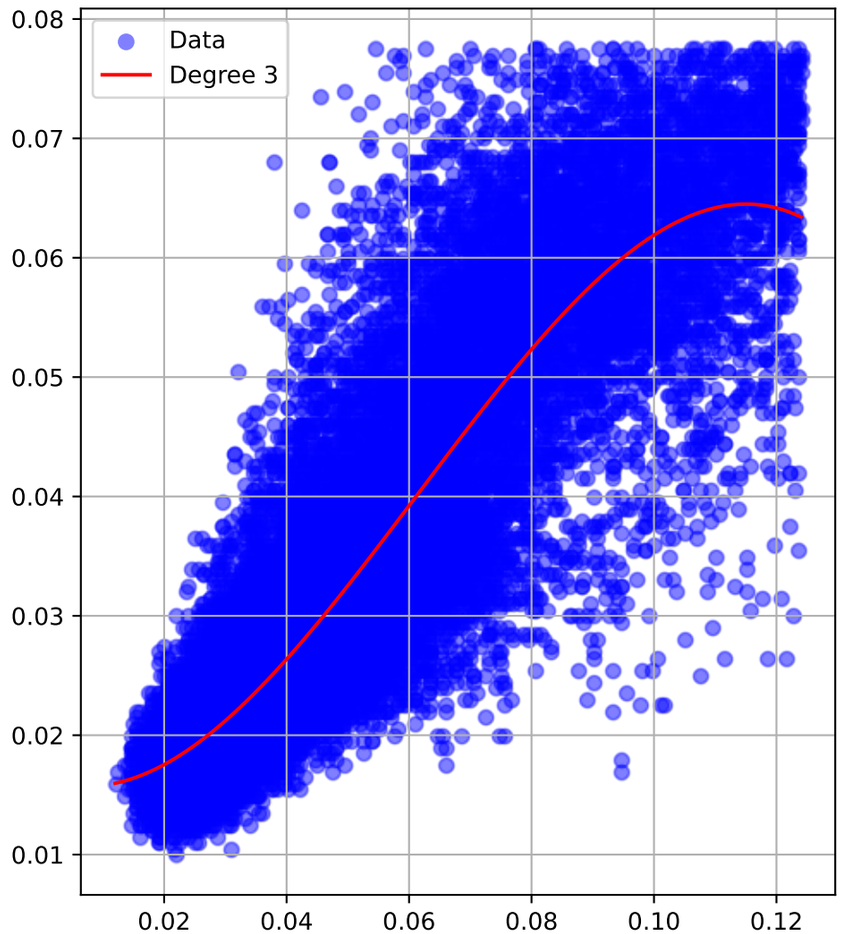
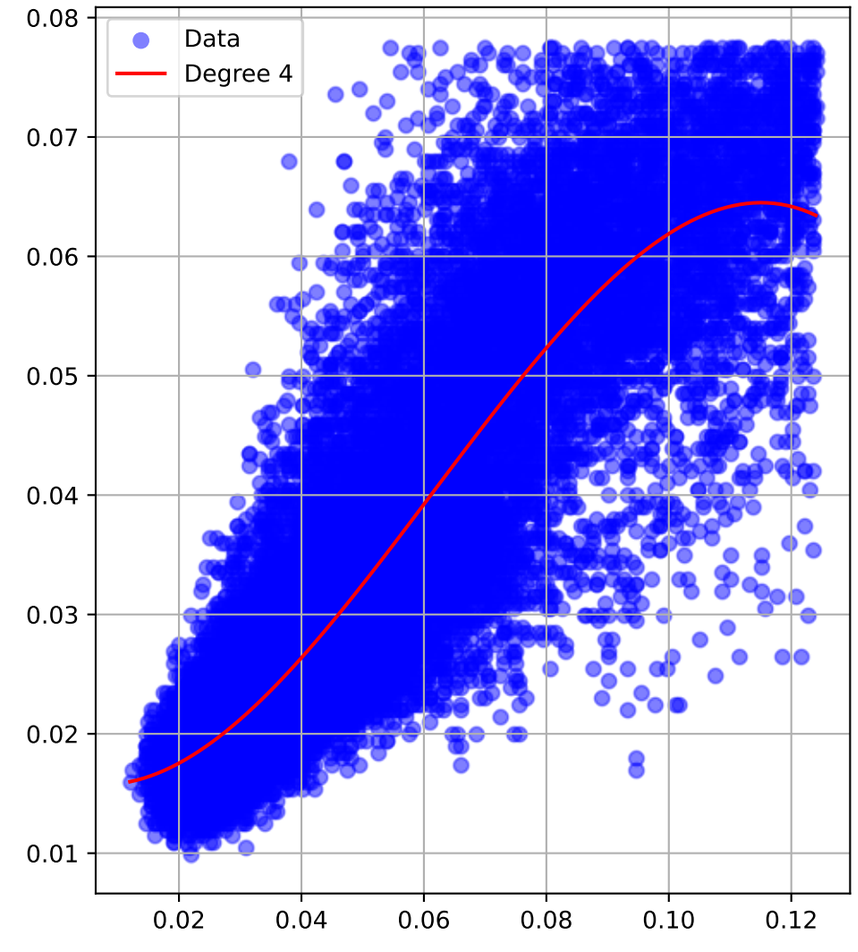
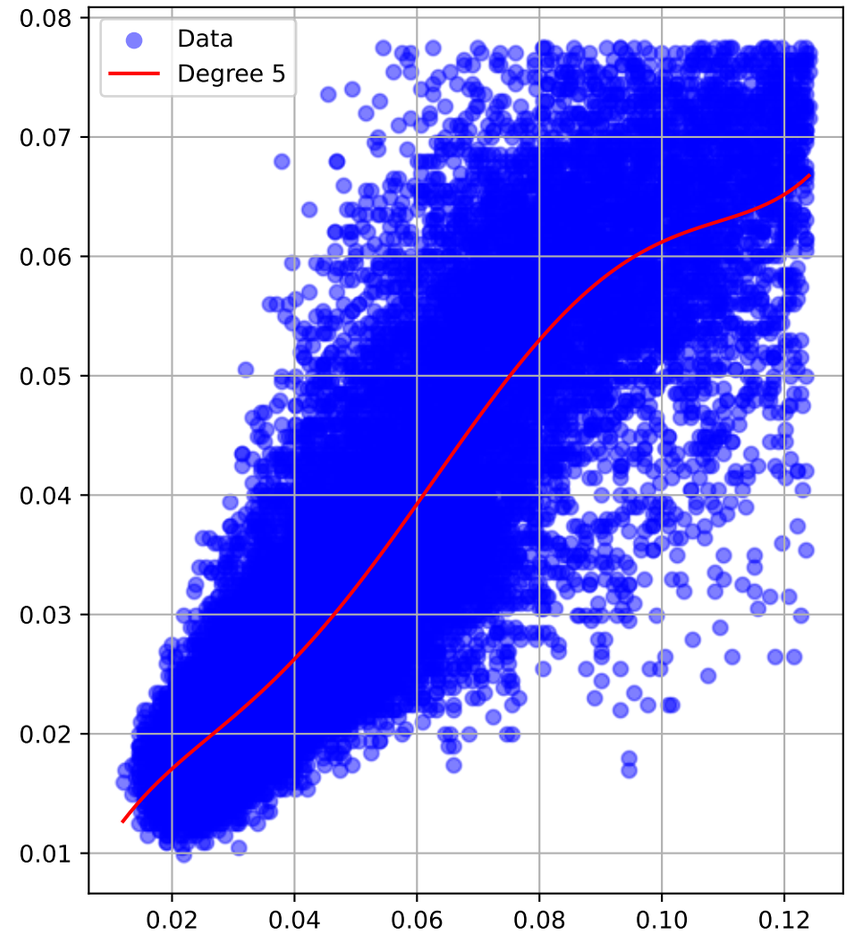
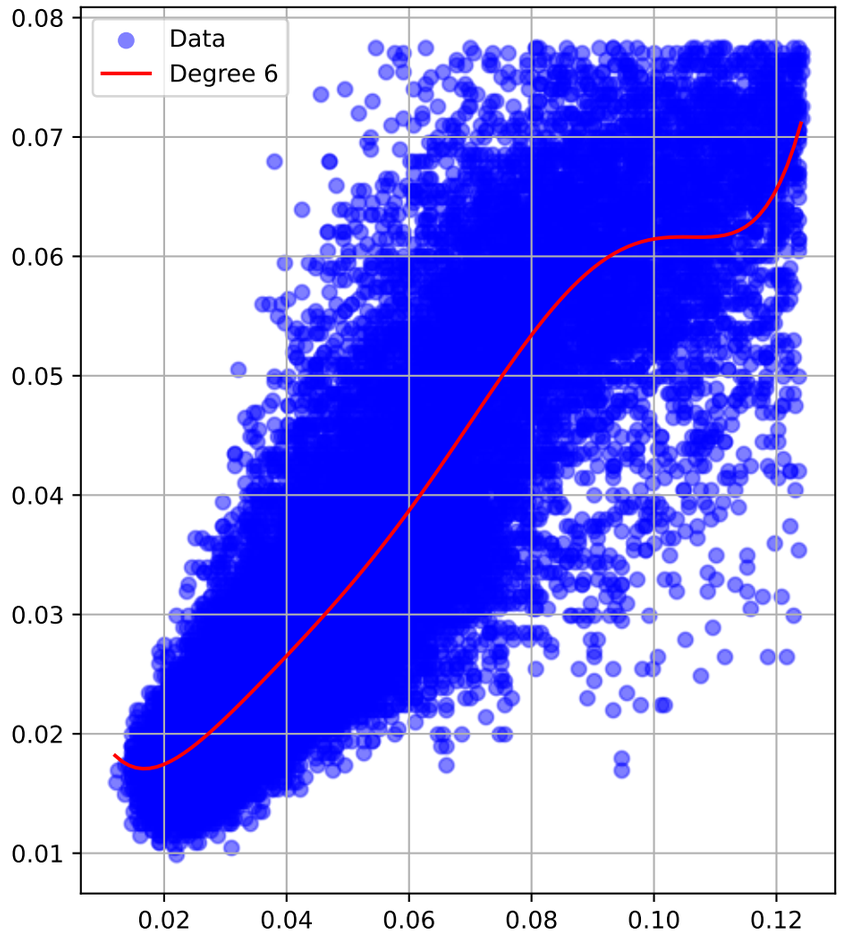

Polynomial Degree 1
R² = 0.803, RMSE = 0.005
Data
Degree 1
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.02
0.04
0.06
0.08
0.10
0.12

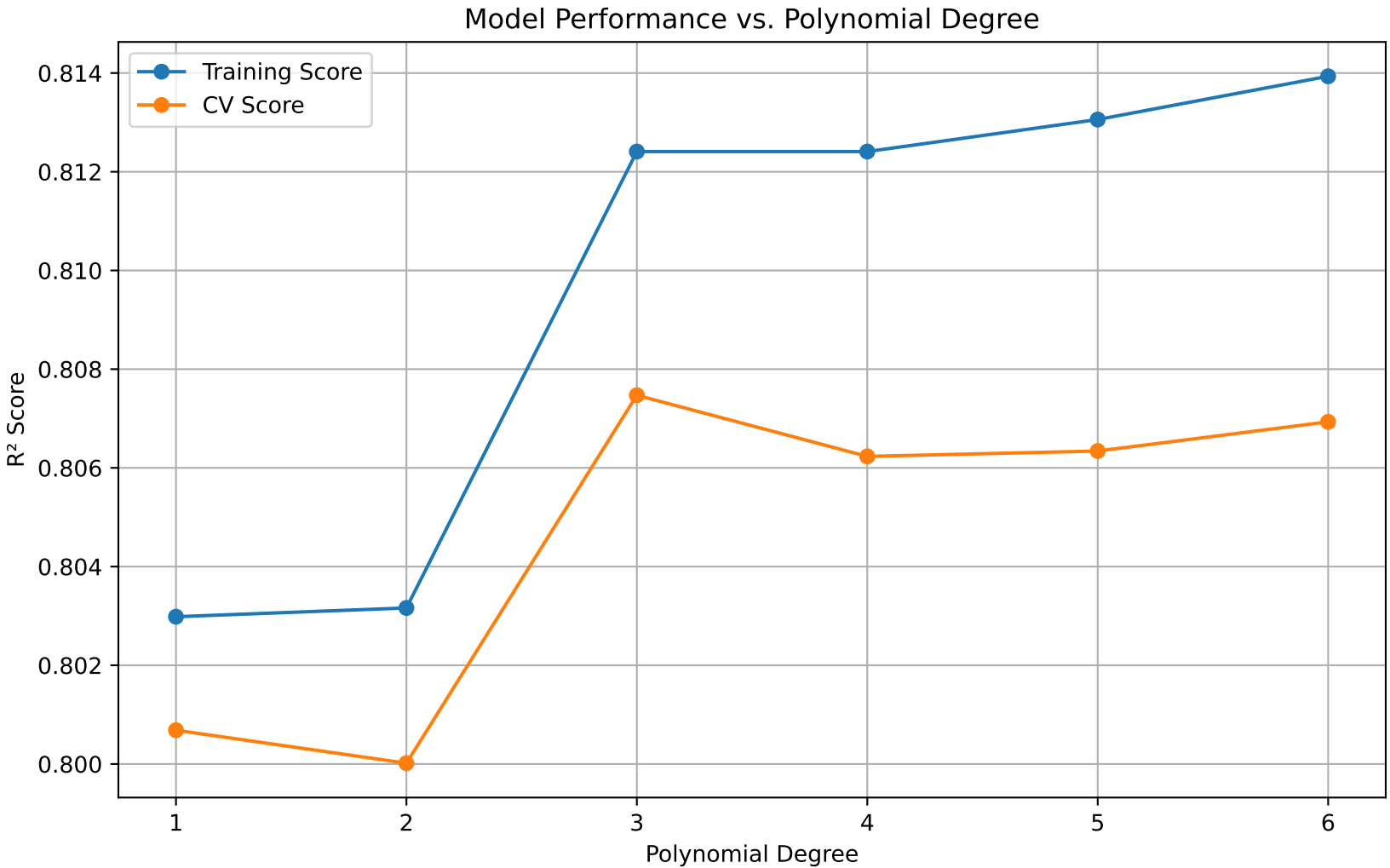

Polynomial Degree 2
R² = 0.803, RMSE = 0.005
Data
Degree 2
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.02
0.04
0.06
0.08
0.10
0.12

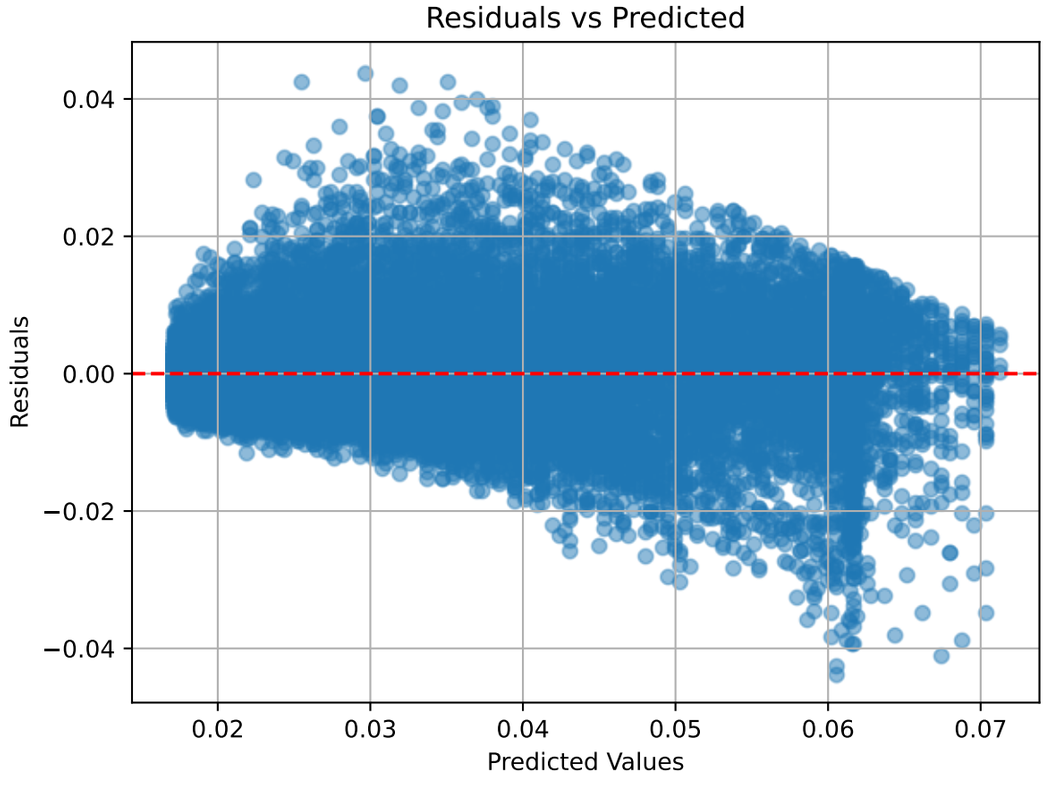

Polynomial Degree 3
R² = 0.812, RMSE = 0.005
Data
Degree 3
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.02
0.04
0.06
0.08
0.10
0.12

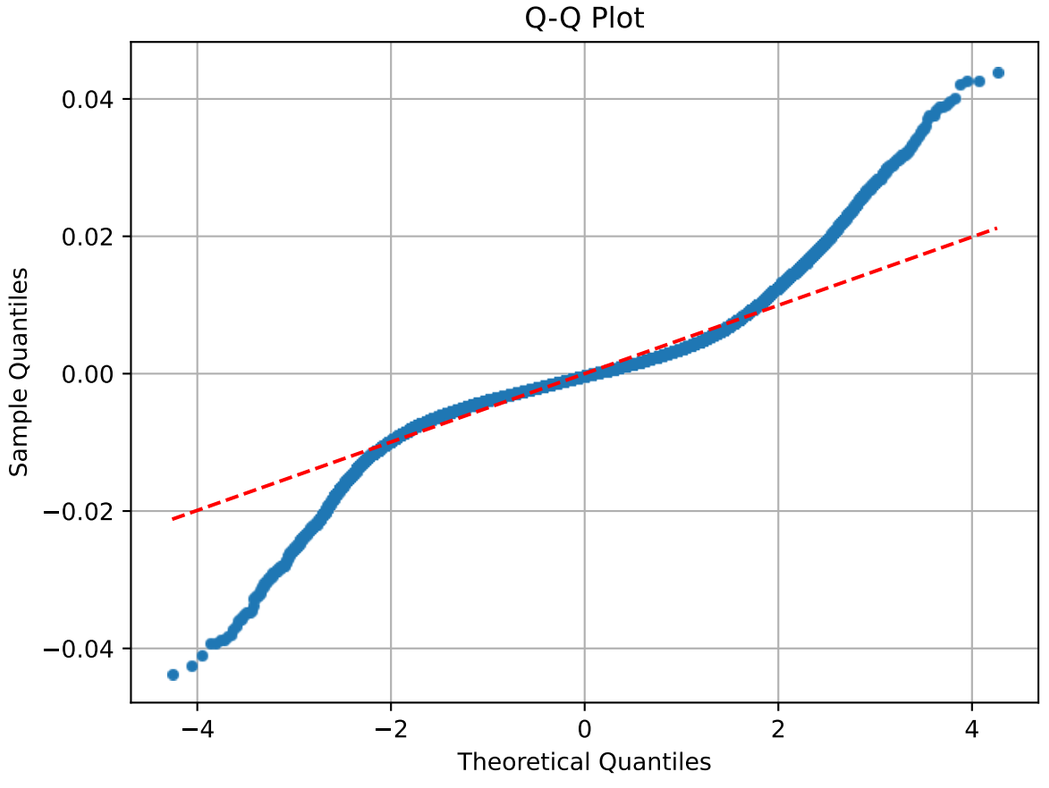

Polynomial Degree 4
R² = 0.812, RMSE = 0.005
Data
Degree 4
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.02
0.04
0.06
0.08
0.10
0.12


Polynomial Degree 5
R² = 0.813, RMSE = 0.005
Data
Degree 5
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.02
0.04
0.06
0.08
0.10
0.12


Polynomial Degree 6
R² = 0.814, RMSE = 0.005
Data
Degree 6
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.02
0.04
0.06
0.08
0.10
0.12


Model Performance vs. Polynomial Degree
Training Score
CV Score
0.814
0.812
0.810
0.808
0.806
0.804
0.802
0.800
R² Score
1
2
3
4
5
6
Polynomial Degree


Residuals vs Predicted
Residuals
Predicted Values
0.04
0.02
0.00
−0.02
−0.04
0.02
0.03
0.04
0.05
0.06
0.07


Q-Q Plot
Sample Quantiles
Theoretical Quantiles
0.04
0.02
0.00
−0.02
−0.04
−4
−2
0
2
4