Influence of noise on MSE and R2 score with polynomial degree 3 0.200 -- 0.9 0.175 - 0.8 0.150 - 0.7 0.125 9.0 -R2 score 0.100 0.075 - 0.4 0.050 0.025 - 0.3 0.000 0.001 0.2 0.1 0.3 0.4 Data with different degree of noise