**Predictions for kernel Ridge:**

**mseError: 1 None rbf 3 0.554206938178837**

**R2: 1 None rbf 3 0.4269533836306209**

**mseError: 1 1 rbf 3 1.6359507557010684**

**R2: 1 1 rbf 3 -0.6881709351659058**

**mseError: 1 0.001 rbf 3 0.5073193958224931**

**R2: 1 0.001 rbf 3 0.4751312008745396**

**mseError: 0.001 None rbf 3 0.8739716020262293**

**R2: 0.001 None rbf 3 0.09832357108380865**

**mseError: 0.001 1 rbf 3 2.1337283841739136**

**R2: 0.001 1 rbf 3 -1.2009541305578657**

**mseError: 0.001 0.001 rbf 3 0.4994387480858394**

**R2: 0.001 0.001 rbf 3 0.4830763853254371**

**mseError: 0.0001 None rbf 3 1.936018205083991**

**R2: 0.0001 None rbf 3 -0.9912222285558064**

**mseError: 0.0001 1 rbf 3 4.529236940792897**

**R2: 0.0001 1 rbf 3 -3.671786031735155**

**mseError: 1 None polynomial 3 0.5087830529211415**

**R2: 1 None polynomial 3 0.4734985828318843**

**mseError: 1 None polynomial 4 0.5540021137466936**

**R2: 1 None polynomial 4 0.4268286904267464**

**mseError: 1 None polynomial 5 4.573837974728855**

**R2: 1 None polynomial 5 -3.6592447577207246**

**mseError: 1 1 polynomial 3 0.5096494408614202**

**R2: 1 1 polynomial 3 0.47266891072124934**

**mseError: 1 1 polynomial 4 0.5762505439328012**

**R2: 1 1 polynomial 4 0.4041354042404109**

**mseError: 1 1 polynomial 5 10.686159238884564**

**R2: 1 1 polynomial 5 -9.875459197573791**

**mseError: 1 0.001 polynomial 3 0.5040640971579987**

**R2: 1 0.001 polynomial 3 0.4784234490080478**

**mseError: 1 0.001 polynomial 4 0.5030353325944418**

**R2: 1 0.001 polynomial 4 0.4794572310368368**

**mseError: 1 0.001 polynomial 5 0.5023654199029025**

**R2: 1 0.001 polynomial 5 0.4801312411074396**

**mseError: 0.001 None polynomial 3 0.5096337358264198**

**R2: 0.001 None polynomial 3 0.47269424173946095**

**mseError: 0.001 None polynomial 4 0.5773809892877828**

**R2: 0.001 None polynomial 4 0.4029511348443299**

**mseError: 0.001 None polynomial 5 10.408866777670399**

**R2: 0.001 None polynomial 5 -9.589022693586642**

**mseError: 0.001 1 polynomial 3 0.5096468532678818**

**R2: 0.001 1 polynomial 3 0.47268254202806104**

**mseError: 0.001 1 polynomial 4 0.5811964325267635**

**R2: 0.001 1 polynomial 4 0.3990938966692438**

**mseError: 0.001 1 polynomial 5 19.045547396218893**

**R2: 0.001 1 polynomial 5 -18.546576454043322**

**mseError: 0.001 0.001 polynomial 3 0.4995596239860148**

**R2: 0.001 0.001 polynomial 3 0.4829559506645979**

**mseError: 0.001 0.001 polynomial 4 0.49941422722185835**

**R2: 0.001 0.001 polynomial 4 0.4831031545280732**

**mseError: 0.001 0.001 polynomial 5 0.4995127595917876**

**R2: 0.001 0.001 polynomial 5 0.48300135560193114**

**mseError: 0.0001 None polynomial 3 0.5096454882334339**

**R2: 0.0001 None polynomial 3 0.4726837734949981**

**mseError: 0.0001 None polynomial 4 0.5795000548699493**

**R2: 0.0001 None polynomial 4 0.40083264661863877**

**mseError: 0.0001 None polynomial 5 10.76637233431056**

**R2: 0.0001 None polynomial 5 -9.95876367981959**

**mseError: 0.0001 1 polynomial 3 0.5096469364436478**

**R2: 0.0001 1 polynomial 3 0.4726824673442084**

**mseError: 0.0001 1 polynomial 4 0.5812201505253751**

**R2: 0.0001 1 polynomial 4 0.399069423454483**

**mseError: 0.0001 1 polynomial 5 36.03339924834951**

**R2: 0.0001 1 polynomial 5 -35.89172034933989**

**mseError: 0.0001 0.001 polynomial 3 0.4996420481205419**

**R2: 0.0001 0.001 polynomial 3 0.48287083333481184**

**mseError: 0.0001 0.001 polynomial 4 0.5005910738915618**

**R2: 0.0001 0.001 polynomial 4 0.4818894920903431**

**mseError: 0.0001 0.001 polynomial 5 0.502160159091924**

**R2: 0.0001 0.001 polynomial 5 0.4802720741545878**

**best mseError: 5 [0.001, 0.001, 'polynomial', 4] 0.49941422722185835**

**[5.3465763 5.35515585 5.39056751 ... 5.49471676 3.7770834 4.75131476]**