**Iteration 1**

Average mae on validation accross folds: 0.049431388452649126

Average mae on training accross folds: 0.045441605336964126

Average mse on training accross folds: 0.007784865726716817

Average mse on validation accross folds: 0.010139682423323394

Average mae on test accross folds: 0.0379628574475646

Average mse on test accross folds: 0.004618798894807695

Average rrmse on test accross folds: 0.04491996386167833

Average rrmse on validation accross folds: 0.01932708665047312

Other Set Statistics:

mae on validation set: 0.049431388436048704

mae on training set: 0.04544160694163487

mse on training set: 0.0077848658731505295

mse on validation set: 0.010139682793626774

**Iteration 2**

Average mae on validation accross folds: 0.044398281350731844

Average mae on training accross folds: 0.04065068773925304

Average mse on training accross folds: 0.005649193585850298

Average mse on validation accross folds: 0.0077850450295954944

Average mae on test accross folds: 0.03664884604513645

Average mse on test accross folds: 0.004264238243922592

Average rrmse on test accross folds: 0.04393645781839157

Average rrmse on validation accross folds: 0.01719613435074381

Other Set Statistics:

mae on validation set: 0.044398279775245714

mae on training set: 0.04065068766576436

mse on training set: 0.005649193943433939

mse on validation set: 0.0077850449818584935

**Iteration 3**

Average mae on validation accross folds: 0.04853687789291144

Average mae on training accross folds: 0.04712098464369774

Average mse on training accross folds: 0.00737177066039294

Average mse on validation accross folds: 0.008288302575238049

Average mae on test accross folds: 0.039318751916289335

Average mse on test accross folds: 0.0043109467136673634

Average rrmse on test accross folds: 0.046457719570029345

Average rrmse on validation accross folds: 0.020921080602172234

Other Set Statistics:

mae on validation set: 0.048536876332696585

mae on training set: 0.04712099093362157

mse on training set: 0.007371769951504994

mse on validation set: 0.008288301678835088

**Iteration 4**

Average mae on validation accross folds: 0.04394512958824635

Average mae on training accross folds: 0.04066122528165579

Average mse on training accross folds: 0.005475653684698045

Average mse on validation accross folds: 0.006613229727372528

Average mae on test accross folds: 0.035661283135414126

Average mse on test accross folds: 0.0035489214467816057

Average rrmse on test accross folds: 0.04262162852203121

Average rrmse on validation accross folds: 0.016234382100646486

Other Set Statistics:

mae on validation set: 0.04394512841852035

mae on training set: 0.040661224111286864

mse on training set: 0.005475653656039876

mse on validation set: 0.006613229359047667

**Iteration 5**

Average mae on validation accross folds: 0.054462397471070303

Average mae on training accross folds: 0.05012830663472414

Average mse on training accross folds: 0.009410868515260518

Average mse on validation accross folds: 0.011946206365246325

Average mae on test accross folds: 0.04380531199276448

Average mse on test accross folds: 0.006572556076571345

Average rrmse on test accross folds: 0.05155509859402283

Average rrmse on validation accross folds: 0.029747320867580494

Other Set Statistics:

mae on validation set: 0.05446239565059757

mae on training set: 0.05012830703905028

mse on training set: 0.009410866874541983

mse on validation set: 0.011946205900718921

**Iteration 6**

**Average mae on validation accross folds: 0.05491224378347396**

**Average mae on training accross folds: 0.049536233022809024**

**Average mse on training accross folds: 0.008428873936645686**

**Average mse on validation accross folds: 0.011385147110559046**

**Average mae on test accross folds: 0.04351295661181211**

**Average mse on test accross folds: 0.00522653004154563**

**Average rrmse on test accross folds: 0.05102110120257589**

**Average rrmse on validation accross folds: 0.02086171809229832**

**Other Set Statistics:**

**mae on validation set: 0.05491224274225501**

**mae on training set: 0.04953623355514927**

**mse on training set: 0.008428872346322657**

**mse on validation set: 0.01138514706219941**

**Iteration 7**

**Average mae on validation accross folds: 0.04924573712050915**

**Average mae on training accross folds: 0.044624884985387324**

**Average mse on training accross folds: 0.006918442505411805**

**Average mse on validation accross folds: 0.0092533644172363**

**Average mae on test accross folds: 0.0368963286280632**

**Average mse on test accross folds: 0.004094416240695864**

**Average rrmse on test accross folds: 0.042872593487280744**

**Average rrmse on validation accross folds: 0.018412251302454045**

**Other Set Statistics:**

**mae on validation set: 0.04924573664268787**

**mae on training set: 0.04462489215276071**

**mse on training set: 0.006918442210795892**

**mse on validation set: 0.009253363434725236**

**Iteration 8**

**Average mae on validation accross folds: 0.04136932417750359**

**Average mae on training accross folds: 0.03757180497050285**

**Average mse on training accross folds: 0.004595749638974667**

**Average mse on validation accross folds: 0.006038611661642789**

**Average mae on test accross folds: 0.03319918997585773**

**Average mse on test accross folds: 0.002735501446295529**

**Average rrmse on test accross folds: 0.03708126503984118**

**Average rrmse on validation accross folds: 0.017117535368448258**

**Other Set Statistics:**

**mae on validation set: 0.04136932321266795**

**mae on training set: 0.037571807933094316**

**mse on training set: 0.0045957494702581056**

**mse on validation set: 0.006038611585330693**

**Iteration 9**

**Average mae on validation accross folds: 0.04558211248368025**

**Average mae on training accross folds: 0.043376700766384606**

**Average mse on training accross folds: 0.00662966137751937**

**Average mse on validation accross folds: 0.007561186677776277**

**Average mae on test accross folds: 0.03718579337000847**

**Average mse on test accross folds: 0.004218540189322084**

**Average rrmse on test accross folds: 0.0466747358786911**

**Average rrmse on validation accross folds: 0.016971035088901257**

**Other Set Statistics:**

**mae on validation set: 0.04558211271784471**

**mae on training set: 0.04337669969962288**

**mse on training set: 0.00662966095860722**

**mse on validation set: 0.007561186172896625**

**Iteration 10**

**Average mae on validation accross folds: 0.05291353203356266**

**Average mae on training accross folds: 0.050639118999242776**

**Average mse on training accross folds: 0.009478028444573282**

**Average mse on validation accross folds: 0.010519571695476768**

**Average mae on test accross folds: 0.04072556458413601**

**Average mse on test accross folds: 0.004767918621655554**

**Average rrmse on test accross folds: 0.0497562408749191**

**Average rrmse on validation accross folds: 0.024659640662939422**

**Other Set Statistics:**

**mae on validation set: 0.052913532246818856**

**mae on training set: 0.05063911822081165**

**mse on training set: 0.009478028082338094**

**mse on validation set: 0.010519570826497246**

**VAL MAE 0.04847970244**

**VAL MSE 0.008953034768**

**VAL RRMSE 0.01920370957**

**TEST MAE 0.03849168837**

**TEST MSE 0.004435836792**

**TEST RRMSE 0.004975624087**