GPR with greedy training [n = 1]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 20.63
RMSE Test: 115.07

Legend:
- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
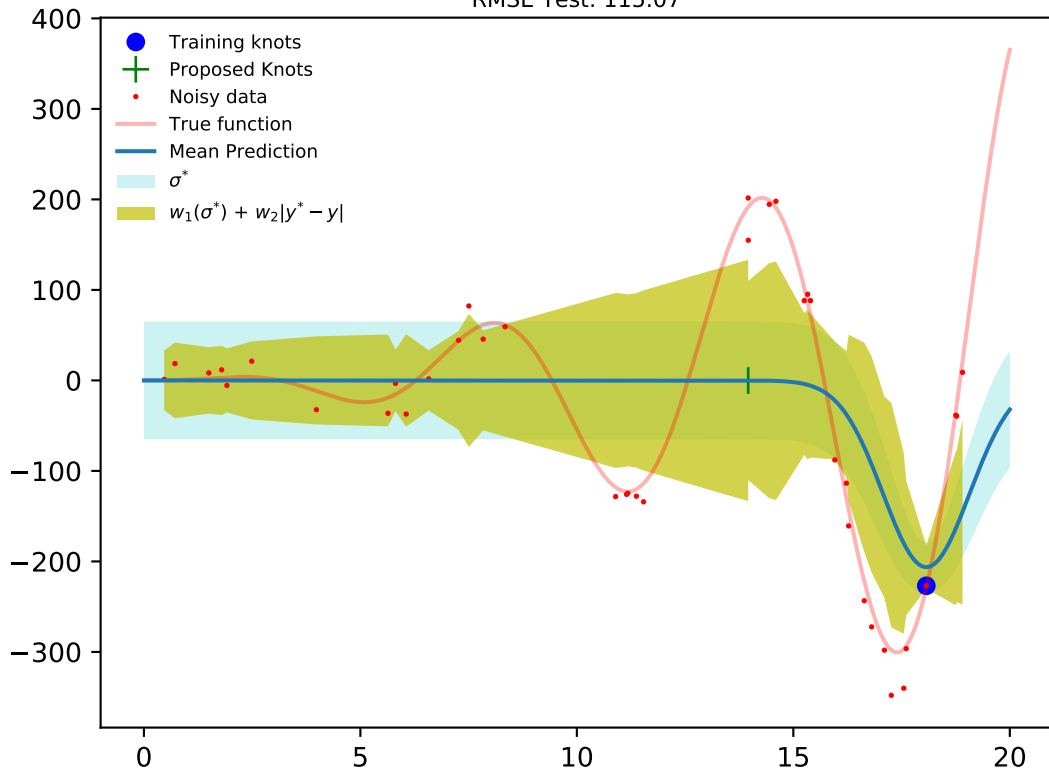
GPR with greedy training [n = 2]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 19.51
RMSE Test: 99.08

- Training knots
+ Proposed Knots
- Noisy data
— True function
— Mean Prediction
σ^*
$w_1(\sigma^*) + w_2|y^* - y|$
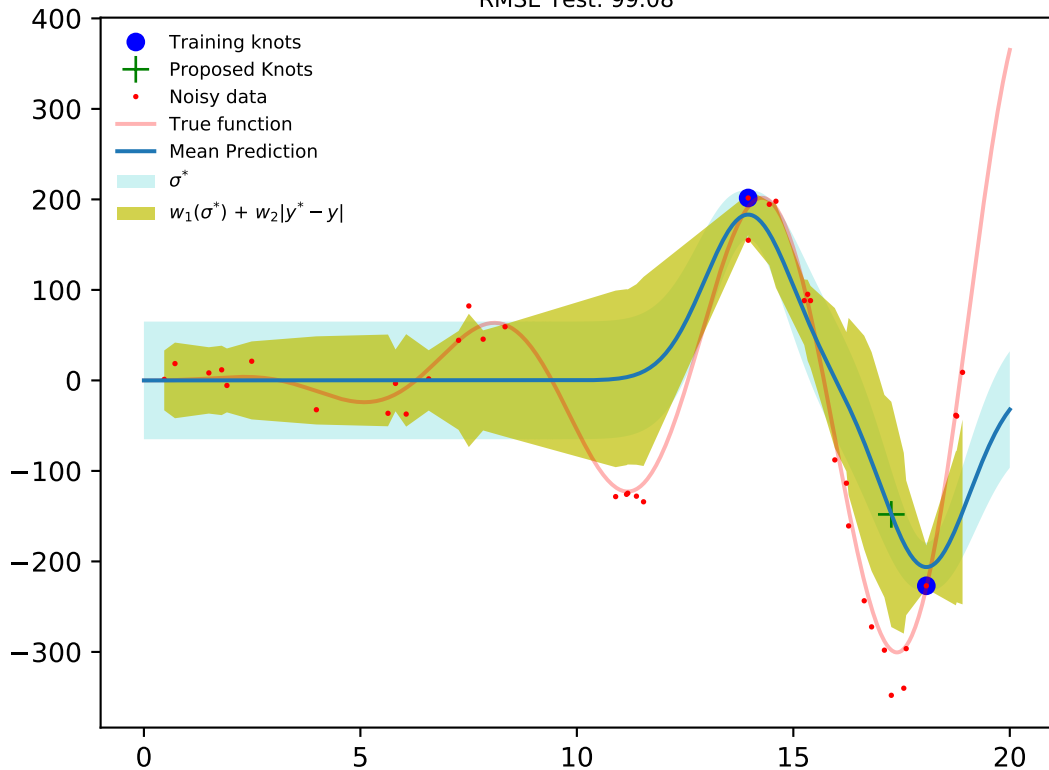
GPR with greedy training [n = 3]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 21.26
RMSE Test: 63.57

Legend:
- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
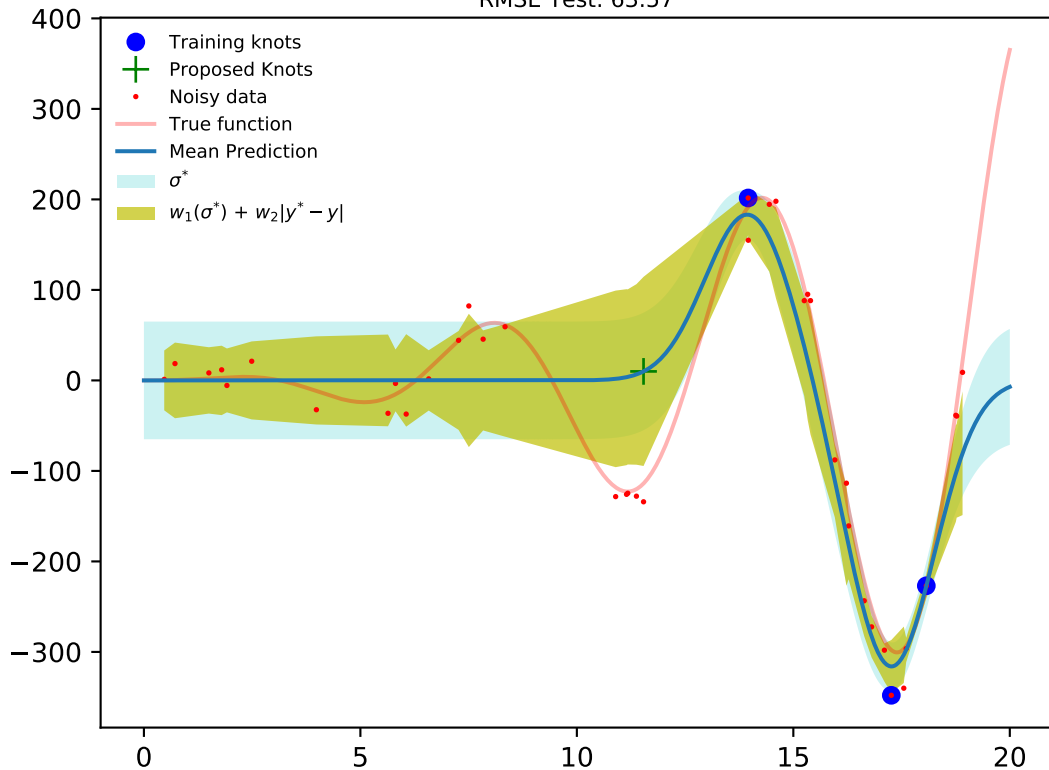
GPR with greedy training [n = 4]
$31.6^{**}2 * RBF(length\_scale=1) + WhiteKernel(noise\_level=100)$
RMSE Tr: 19.71
RMSE Test: 40.65

- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
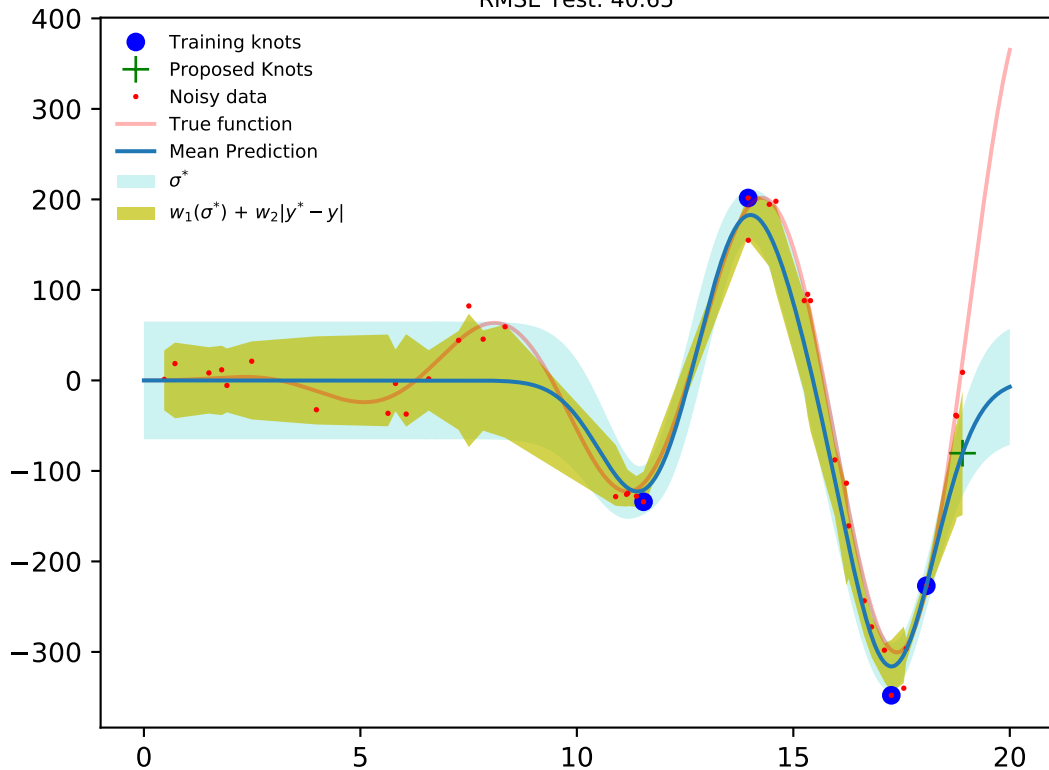
GPR with greedy training [n = 5]
$31.6^{**}2 * RBF(length\_scale=1) + WhiteKernel(noise\_level=100)$
RMSE Tr: 18.22
RMSE Test: 33.68

Legend:
- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
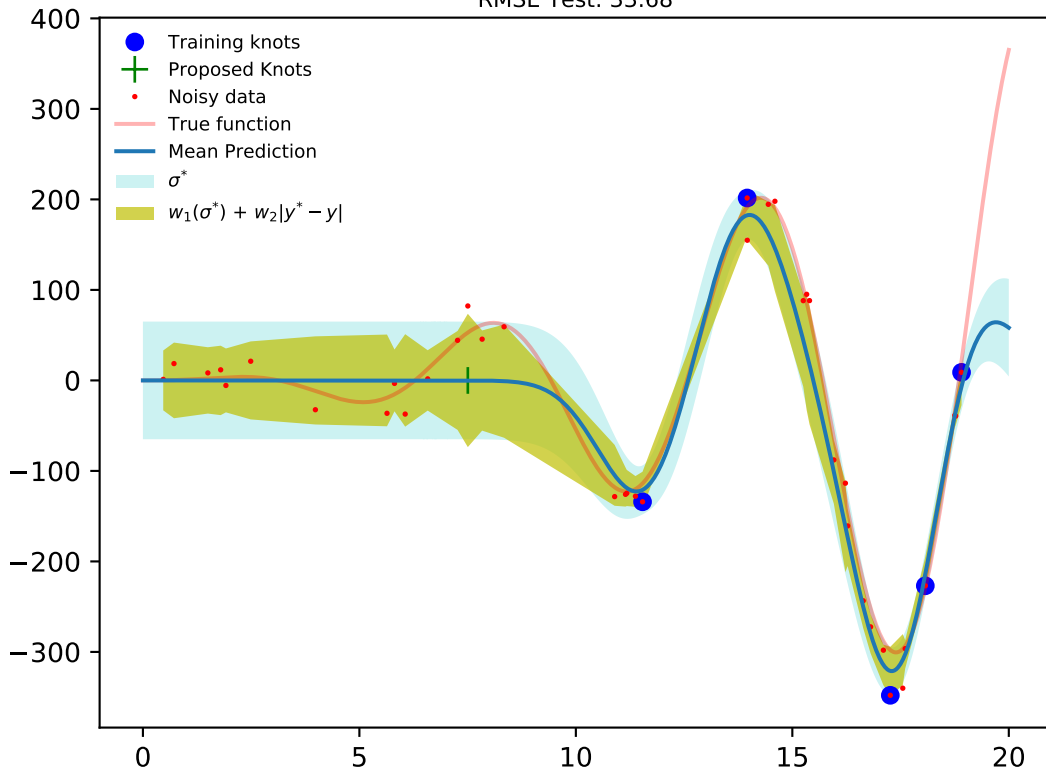
GPR with greedy training [n = 6]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 16.91
RMSE Test: 31.25

- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
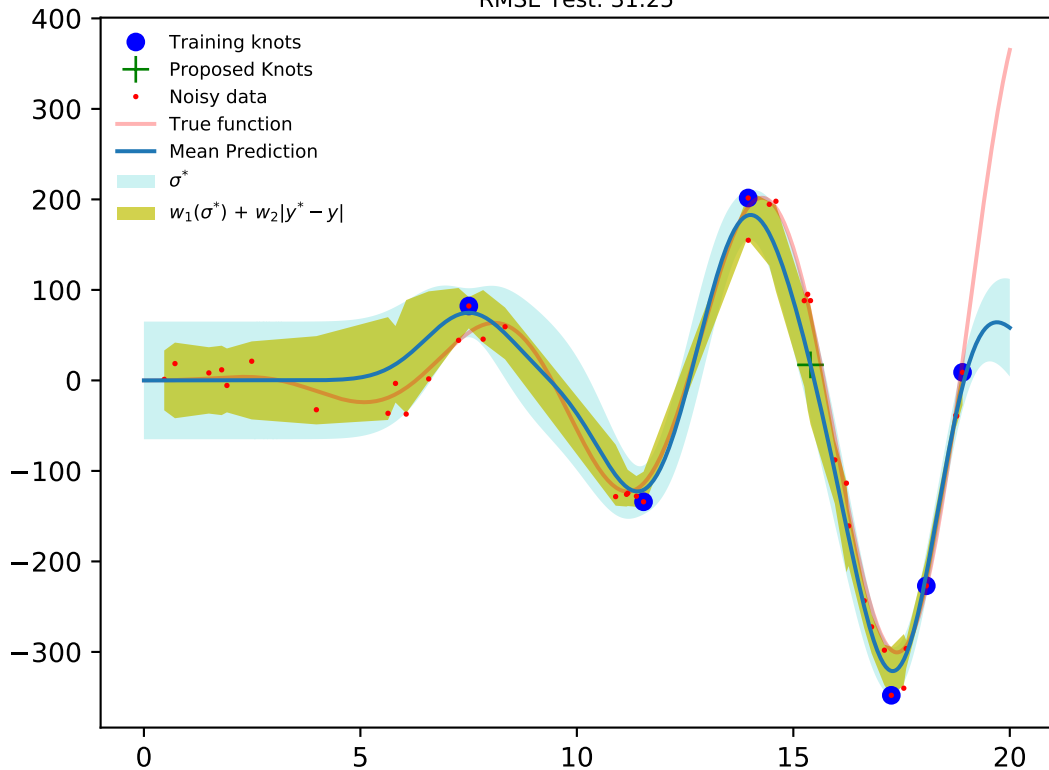
GPR with greedy training [n = 7]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 15.8
RMSE Test: 23.93

Legend:
- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
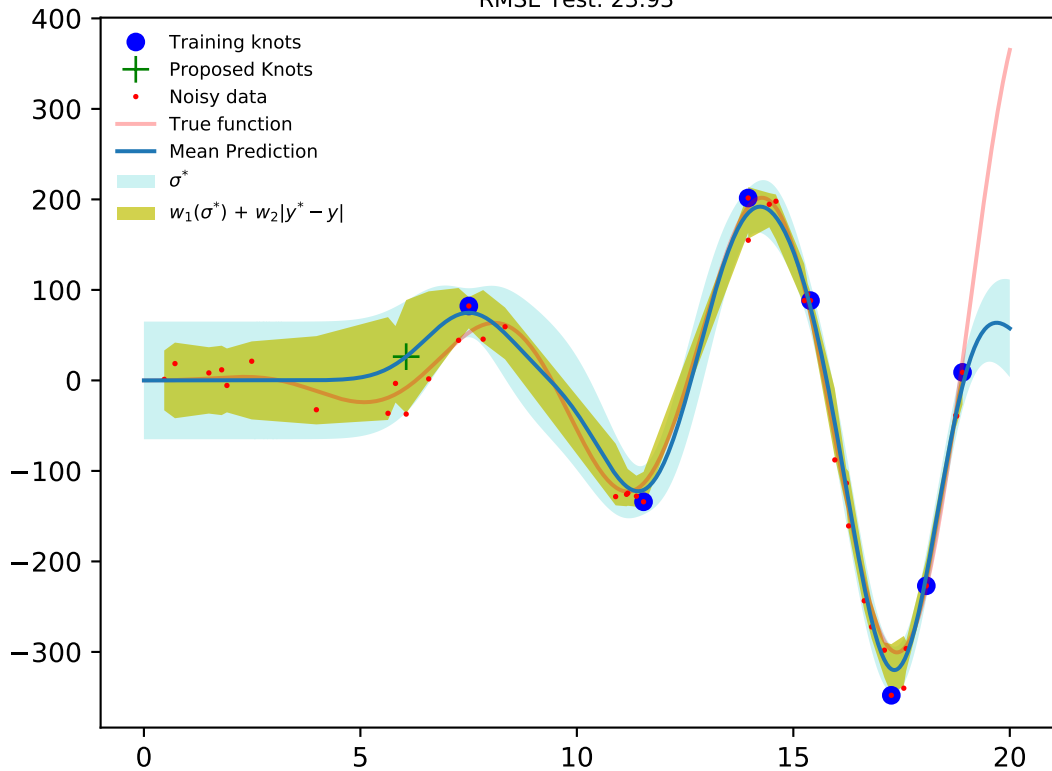
GPR with greedy training [n = 8]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 15.09
RMSE Test: 18.13

- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
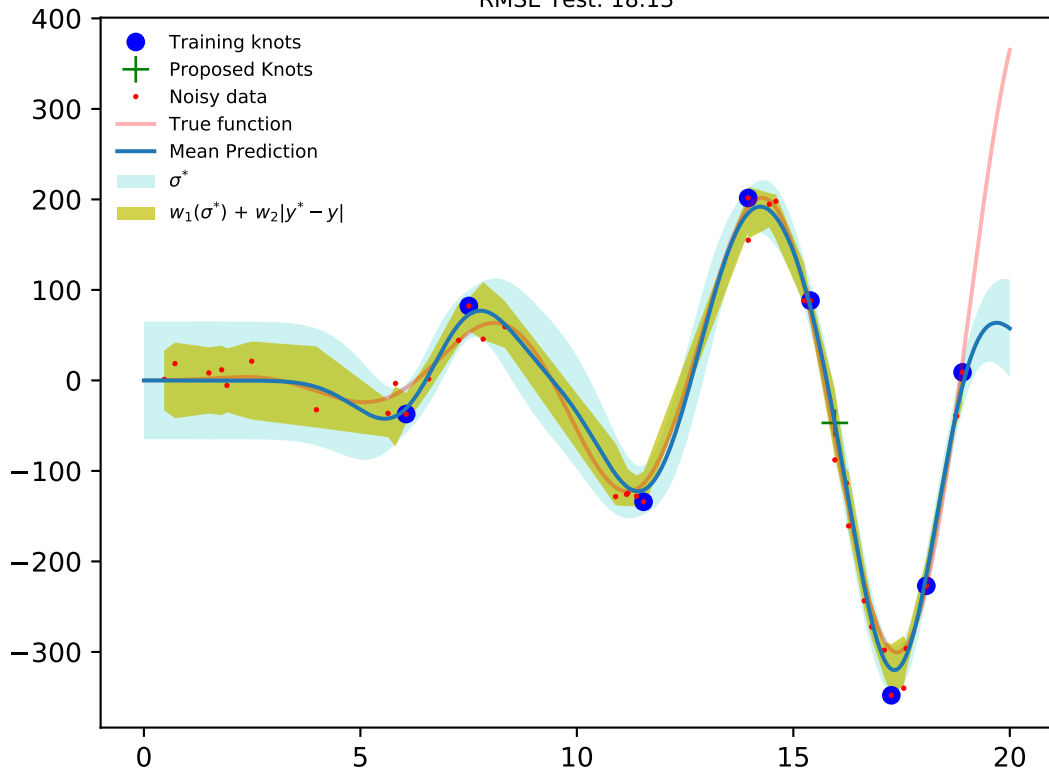
GPR with greedy training [n = 9]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 14.9
RMSE Test: 17.51

Training knots
Proposed Knots
Noisy data
True function
Mean Prediction
σ^*
$w_1(\sigma^*) + w_2|y^* - y|$
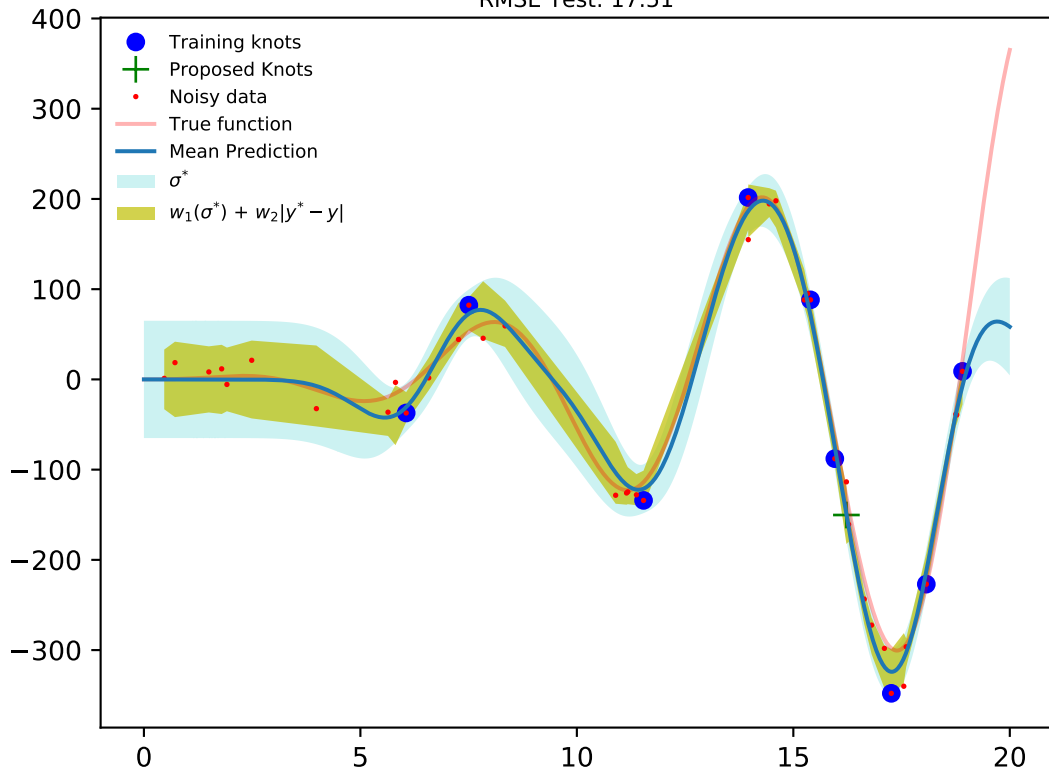
GPR with greedy training [n = 10]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 17.68
RMSE Test: 16.4

Legend:
- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
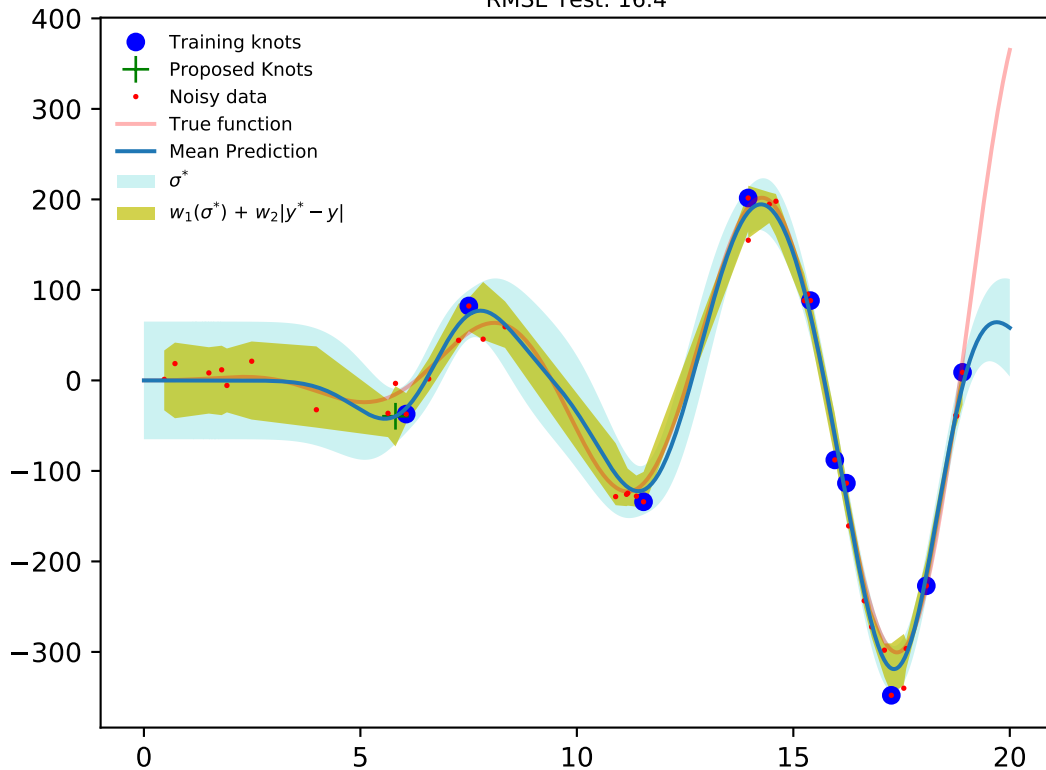
GPR with greedy training [n = 11]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 18.44
RMSE Test: 16.55

- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
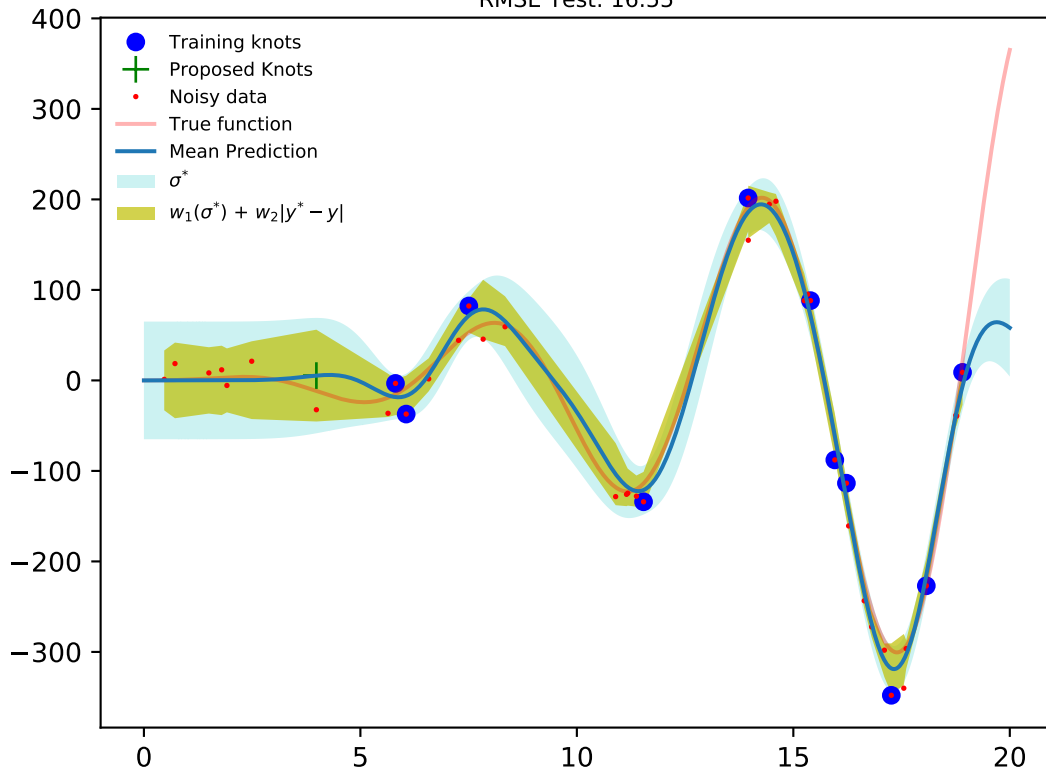
GPR with greedy training [n = 12]
$31.6^{**}2 * RBF(length\_scale=1) + WhiteKernel(noise\_level=100)$
RMSE Tr: 17.85
RMSE Test: 15.95

Legend:
- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
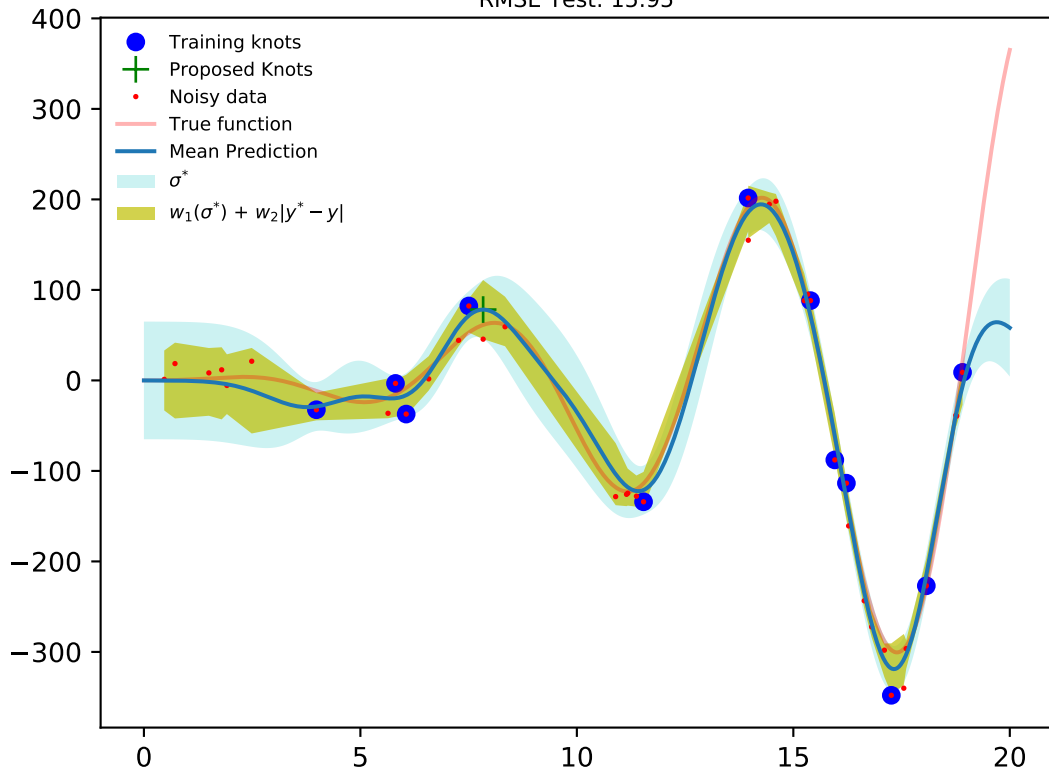
GPR with greedy training [n = 13]
$31.6^{**}2 * RBF(length\_scale=1) + WhiteKernel(noise\_level=100)$
RMSE Tr: 18.37
RMSE Test: 15.52

Legend:
- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
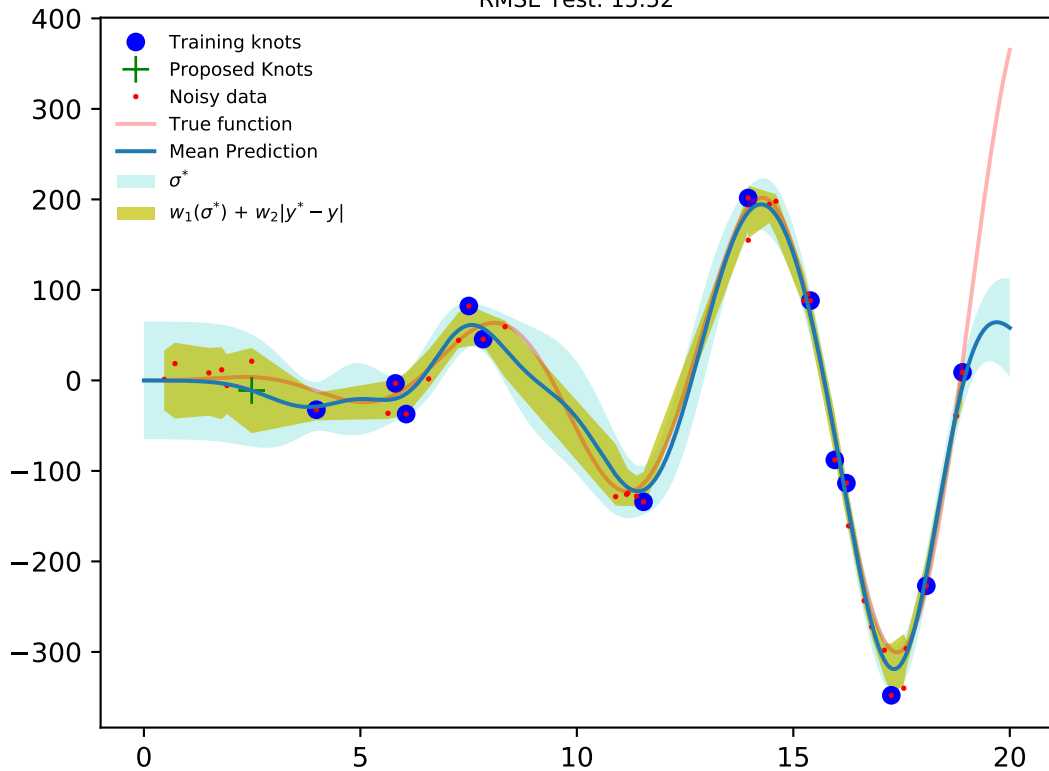
GPR with greedy training [n = 14]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 17.77
RMSE Test: 15.04

Legend:
- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
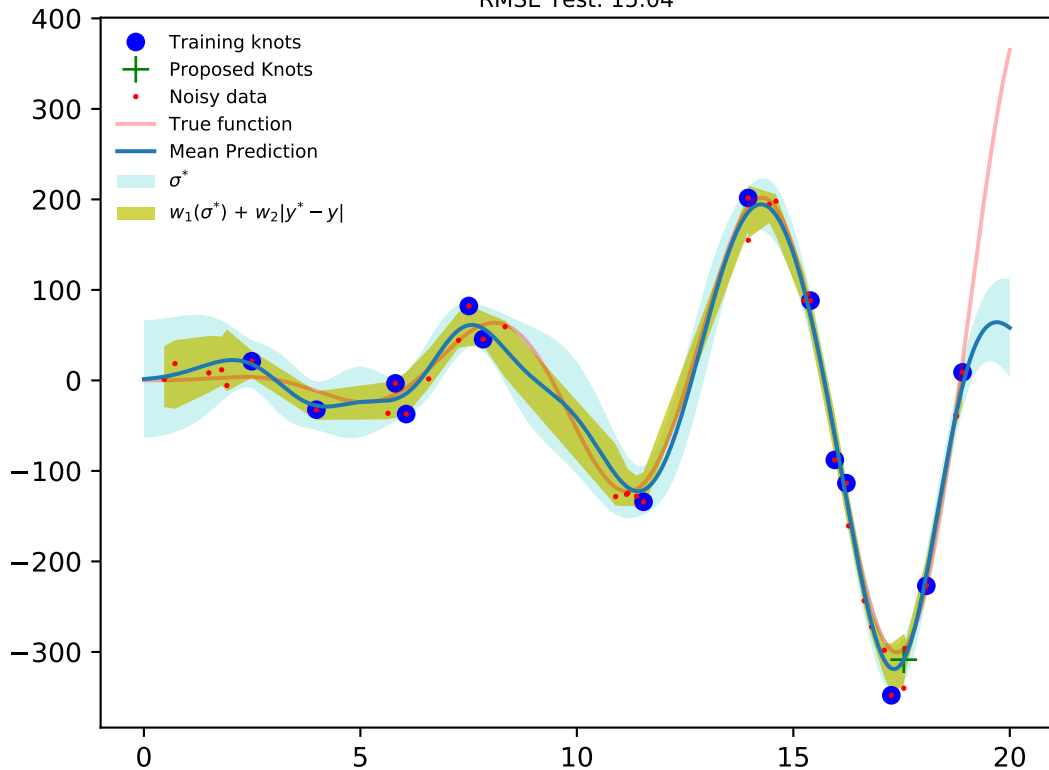
GPR with greedy training [n = 15]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 16.58
RMSE Test: 14.78

Legend:
- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
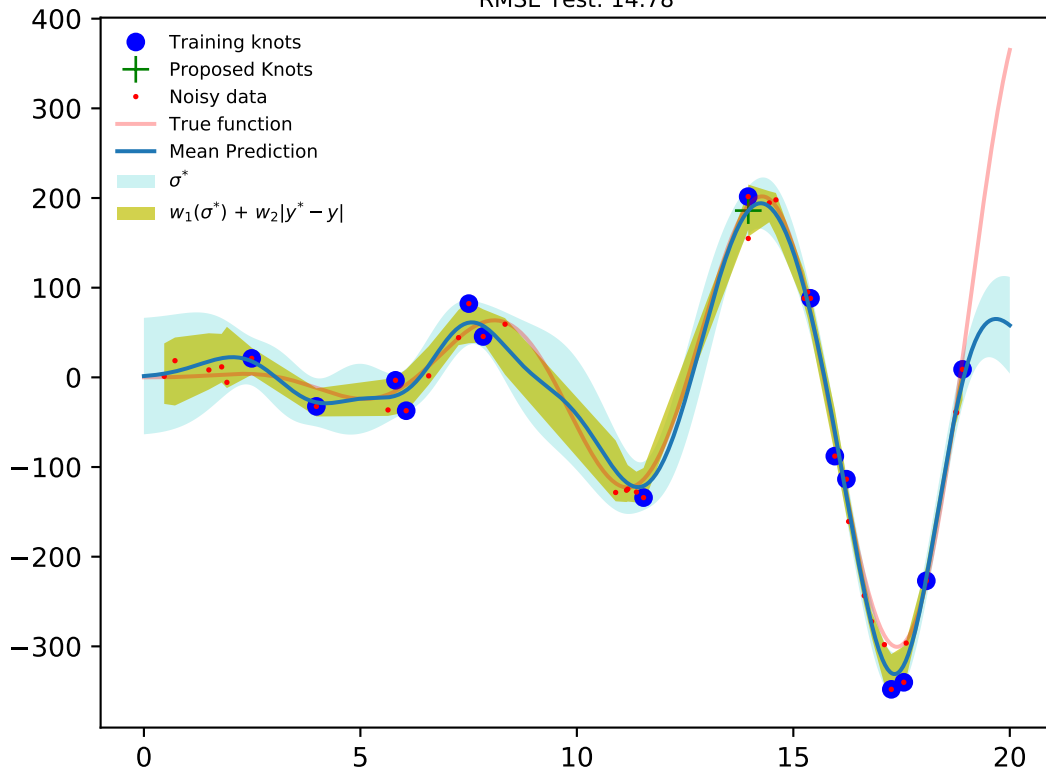
GPR with greedy training [n = 16]
31.6**2 * RBF(length_scale=1) + WhiteKernel(noise_level=100)
RMSE Tr: 17.88
RMSE Test: 14.63

- Training knots
- Proposed Knots
- Noisy data
- True function
- Mean Prediction
- σ^*
- $w_1(\sigma^*) + w_2|y^* - y|$
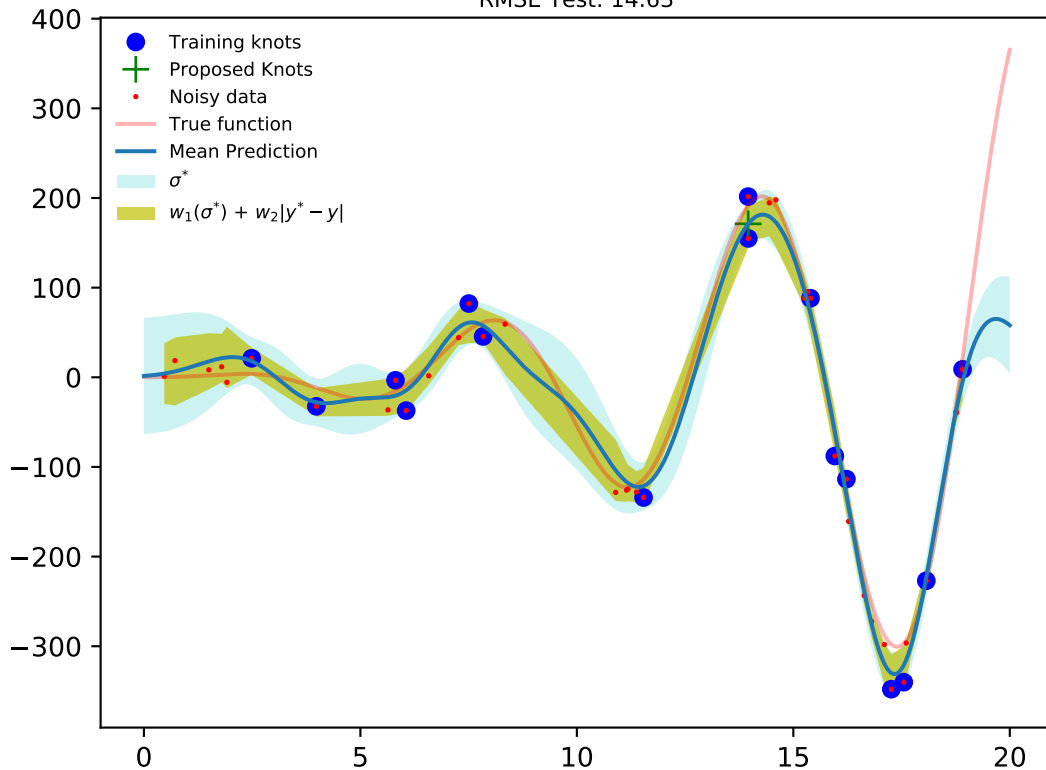
Test Error 16 training points, 16 iterations