

GPML kernel: 66\*\*2 \* RBF(length\_scale=67) + 2.4\*\*2 \* RBF(length\_scale=90) \* ExpSineSquared(length\_scale=1.3, periodicity=1) + 0.66\*\*2 \* RationalQuadratic(alpha=0.78, length\_scale=1.2) + 0.18\*\*2 \* RBF(length\_scale=0.134) + WhiteKernel(noise\_level=0.0361)

Log-marginal-likelihood: -475.750

Learned kernel: 30.9\*\*2 \* RBF(length\_scale=57.8) + 1.14\*\*2 \* RBF(length\_scale=5.2e+03) \* ExpSineSquared(length\_scale=0.000162, periodicity=0.286) + 0.326\*\*2 \* RationalQuadratic(alpha=17.7, length\_scale=1.89) + 0.0108\*\*2 \* RBF(length\_scale=0.483) + WhiteKernel(noise\_level=0.169)

Log-marginal-likelihood: -238.426



GPML kernel: 66\*\*2 \* RBF(length\_scale=67) + 2.4\*\*2 \* RBF(length\_scale=90) \* ExpSineSquared(length\_scale=1.3, periodicity=1) + 0.66\*\*2 \* RationalQuadratic(alpha=0.78, length\_scale=1.2) + 0.18\*\*2 \* RBF(length\_scale=0.134) + WhiteKernel(noise\_level=0.0361)

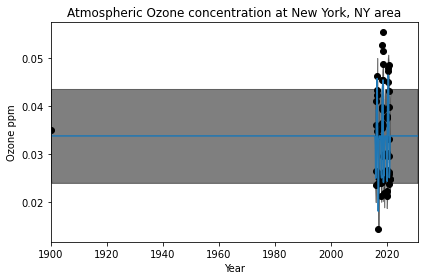
Log-marginal-likelihood: -577.215

C:\Users\eveba\.conda\envs\Machine\_Learning\lib\site-packages\sklearn\gaussian\_process\kernels.py:402: ConvergenceWarning: The optimal value found for dimension 0 of parameter k2\_\_k1\_\_k2\_\_length\_scale is close to the specified lower bound 1e-05. Decreasing the bound and calling fit again may find a better value.

warnings.warn("The optimal value found for "

Learned kernel: 3.9\*\*2 \* RBF(length\_scale=795) + 2.17\*\*2 \* RBF(length\_scale=24.4) \* ExpSineSquared(length\_scale=0.00298, periodicity=1.26e-05) + 0.542\*\*2 \* RationalQuadratic(alpha=16.2, length\_scale=0.003) + 6.19\*\*2 \* RBF(length\_scale=1e-05) + WhiteKernel(noise\_level=0.28)

Log-marginal-likelihood: -191.324



GPML kernel: 66\*\*2 \* RBF(length\_scale=67) + 2.4\*\*2 \* RBF(length\_scale=90) \* ExpSineSquared(length\_scale=1.3, periodicity=1) + 0.66\*\*2 \* RationalQuadratic(alpha=0.78, length\_scale=1.2) + 0.18\*\*2 \* RBF(length\_scale=0.134) + WhiteKernel(noise\_level=0.0361)

Log-marginal-likelihood: -88.644

Learned kernel: 0.00316\*\*2 \* RBF(length\_scale=2.49e+03) + 0.936\*\*2 \* RBF(length\_scale=182) \* ExpSineSquared(length\_scale=0.000161, periodicity=3.83e+03) + 0.00316\*\*2 \* RationalQuadratic(alpha=16.7, length\_scale=19.7) + 0.00316\*\*2 \* RBF(length\_scale=0.00146) + WhiteKernel(noise\_level=0.115)

Log-marginal-likelihood: -53.650

C:\Users\eveba\.conda\envs\Machine\_Learning\lib\site-packages\sklearn\gaussian\_process\kernels.py:402: ConvergenceWarning: The optimal value found for dimension 0 of parameter k1\_\_k1\_\_k1\_\_k1\_\_constant\_value is close to the specified lower bound 1e-05. Decreasing the bound and calling fit again may find a better value.

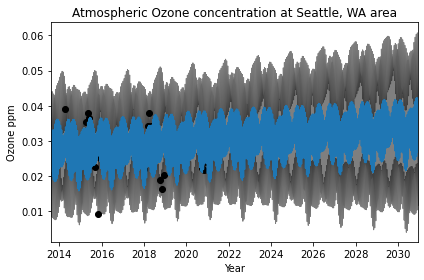
warnings.warn("The optimal value found for "

C:\Users\eveba\.conda\envs\Machine\_Learning\lib\site-packages\sklearn\gaussian\_process\kernels.py:402: ConvergenceWarning: The optimal value found for dimension 0 of parameter k1\_\_k2\_\_k1\_\_constant\_value is close to the specified lower bound 1e-05. Decreasing the bound and calling fit again may find a better value.

warnings.warn("The optimal value found for "

C:\Users\eveba\.conda\envs\Machine\_Learning\lib\site-packages\sklearn\gaussian\_process\kernels.py:402: ConvergenceWarning: The optimal value found for dimension 0 of parameter k2\_\_k1\_\_k1\_\_constant\_value is close to the specified lower bound 1e-05. Decreasing the bound and calling fit again may find a better value.

warning.warn("The optimal value found for "

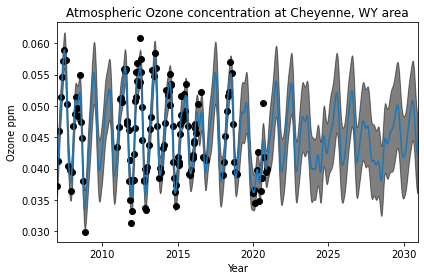


GPML kernel: 66\*\*2 \* RBF(length\_scale=67) + 2.4\*\*2 \* RBF(length\_scale=90) \* ExpSineSquared(length\_scale=1.3, periodicity=1) + 0.66\*\*2 \* RationalQuadratic(alpha=0.78, length\_scale=1.2) + 0.18\*\*2 \* RBF(length\_scale=0.134) + WhiteKernel(noise\_level=0.0361)

Log-marginal-likelihood: -72.026

Learned kernel: 25\*\*2 \* RBF(length\_scale=86) + 2.93\*\*2 \* RBF(length\_scale=172) \* ExpSineSquared(length\_scale=0.287, periodicity=0.000813) + 0.342\*\*2 \* RationalQuadratic(alpha=17.5, length\_scale=1.72) + 0.393\*\*2 \* RBF(length\_scale=0.00101) + WhiteKernel(noise\_level=1.13)

Log-marginal-likelihood: -61.013



GPML kernel: 66\*\*2 \* RBF(length\_scale=67) + 2.4\*\*2 \* RBF(length\_scale=90) \* ExpSineSquared(length\_scale=1.3, periodicity=1) + 0.66\*\*2 \* RationalQuadratic(alpha=0.78, length\_scale=1.2) + 0.18\*\*2 \* RBF(length\_scale=0.134) + WhiteKernel(noise\_level=0.0361)

Log-marginal-likelihood: -179.191

Learned kernel: 0.00316\*\*2 \* RBF(length\_scale=3.78e+03) + 0.901\*\*2 \* RBF(length\_scale=12.6) \* ExpSineSquared(length\_scale=0.252, periodicity=4.03) + 0.0546\*\*2 \* RationalQuadratic(alpha=24.4, length\_scale=0.146) + 0.389\*\*2 \* RBF(length\_scale=0.218) + WhiteKernel(noise\_level=0.121)

Log-marginal-likelihood: -114.467

C:\Users\eveba\.conda\envs\Machine\_Learning\lib\site-packages\sklearn\gaussian\_process\kernels.py:402: ConvergenceWarning: The optimal value found for dimension 0 of parameter k1\_\_k1\_\_k1\_\_k1\_\_constant\_value is close to the specified lower bound 1e-05. Decreasing the bound and calling fit again may find a better value.

warnings.warn("The optimal value found for "