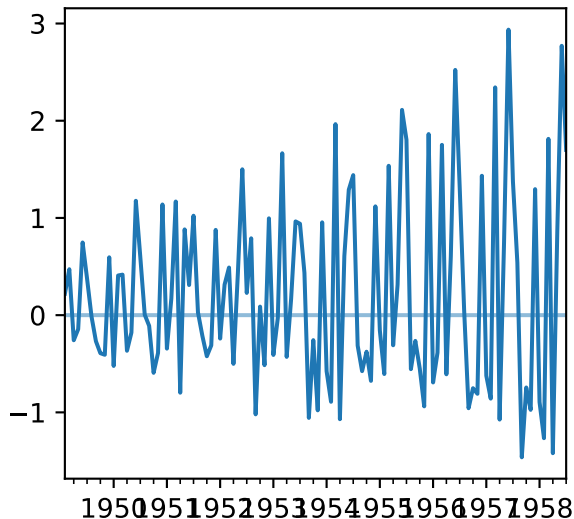
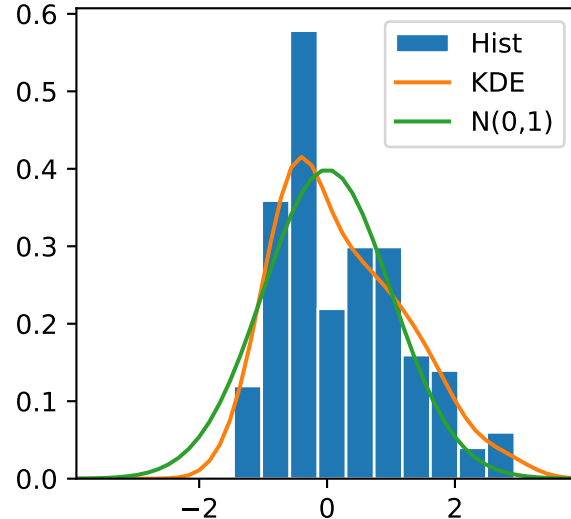


Training Model Diagnostics

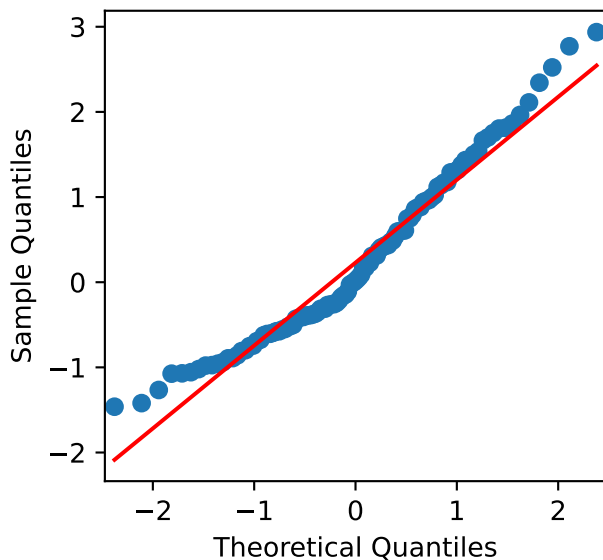
Standardized residual for "T"



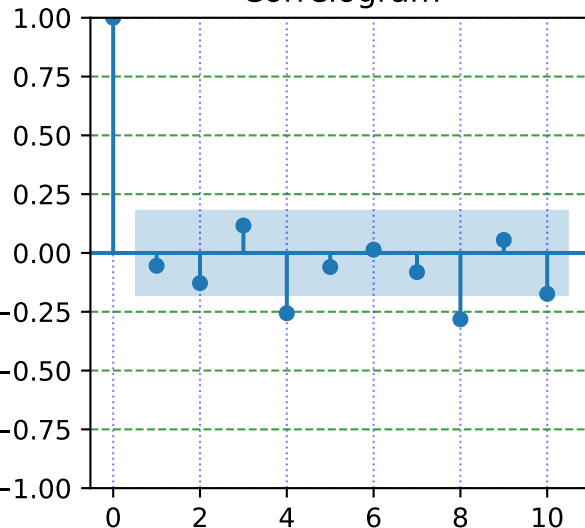
Histogram plus estimated density



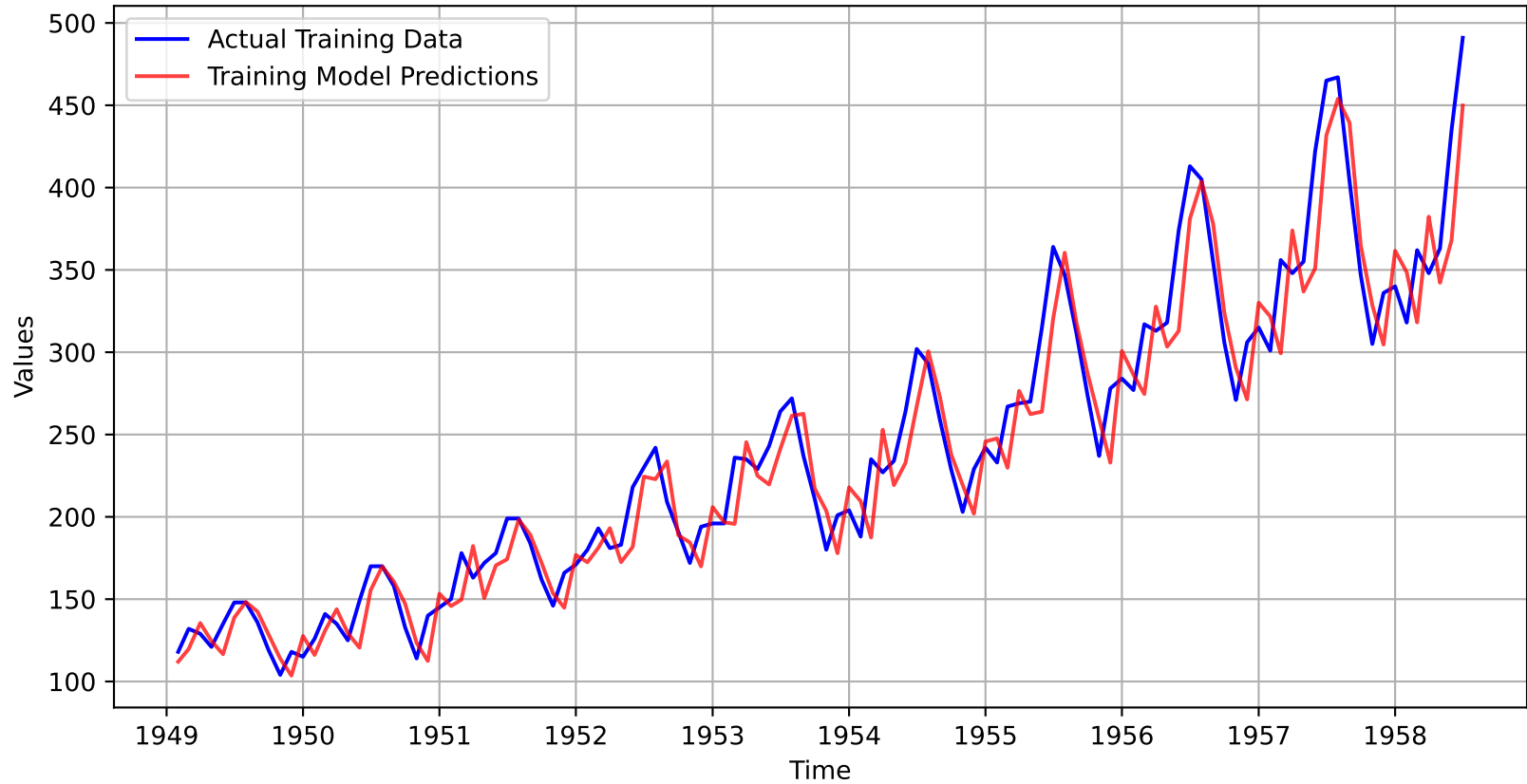
Normal Q-Q



Correlogram

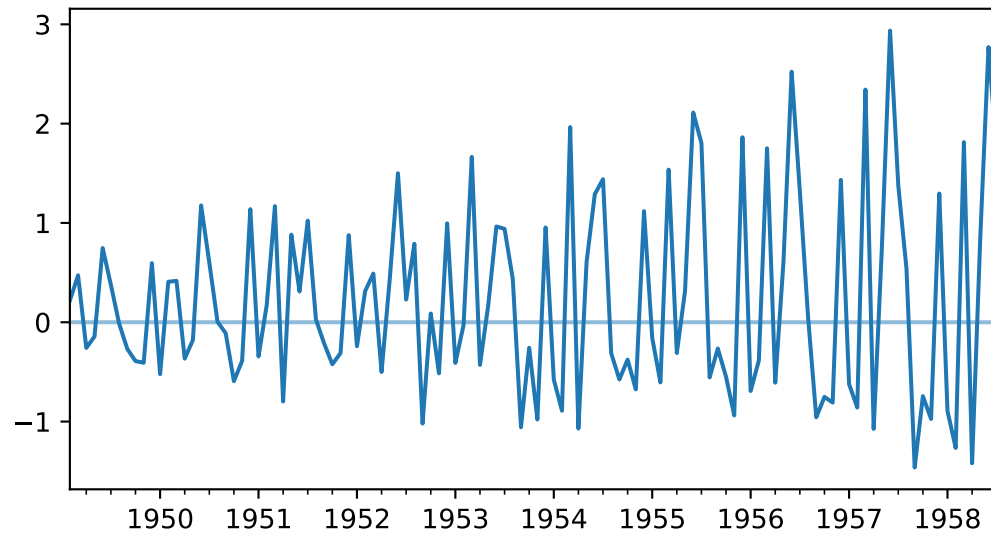


Training Data vs. Training Model Predictions

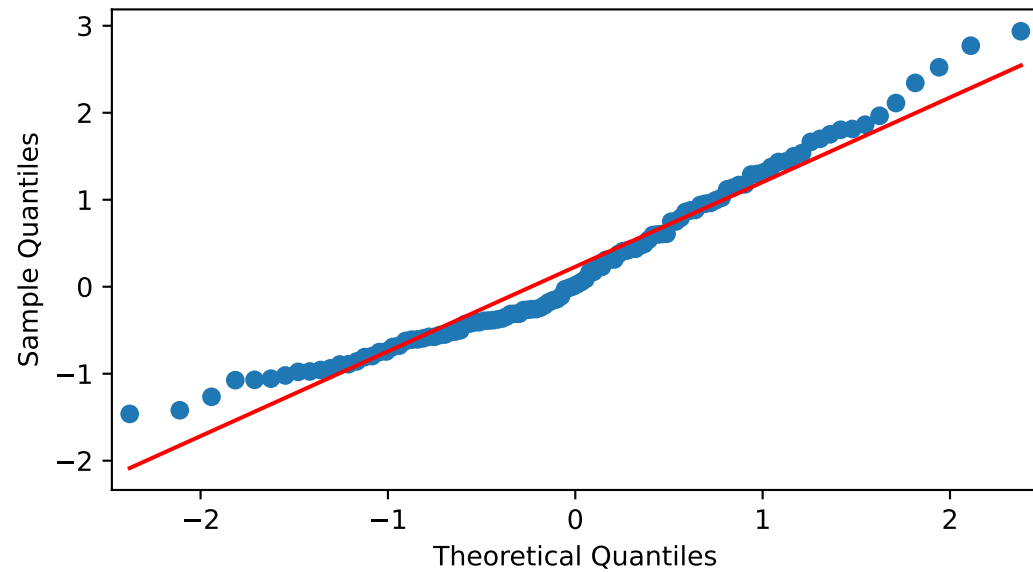


Training Model Diagnostics

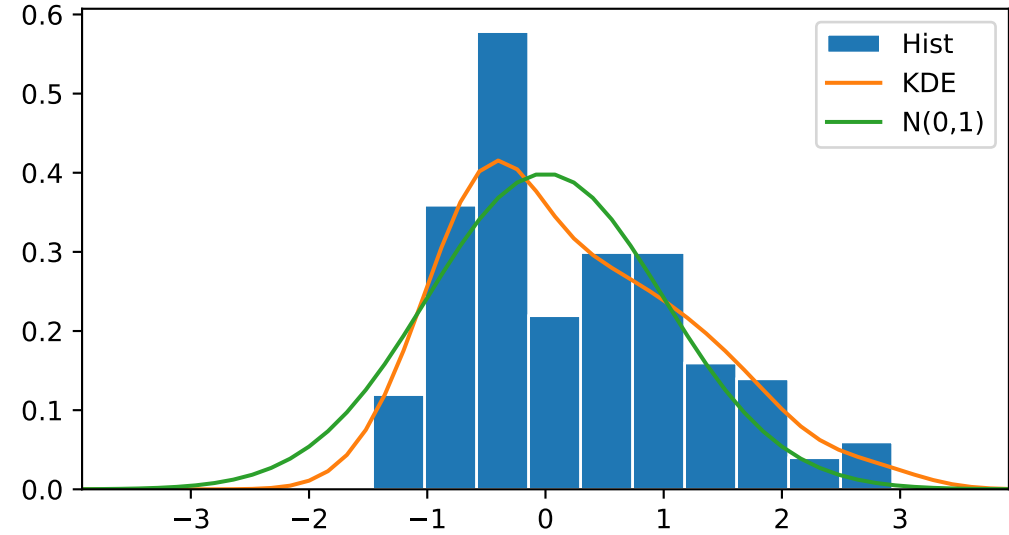
Standardized residual for "T"



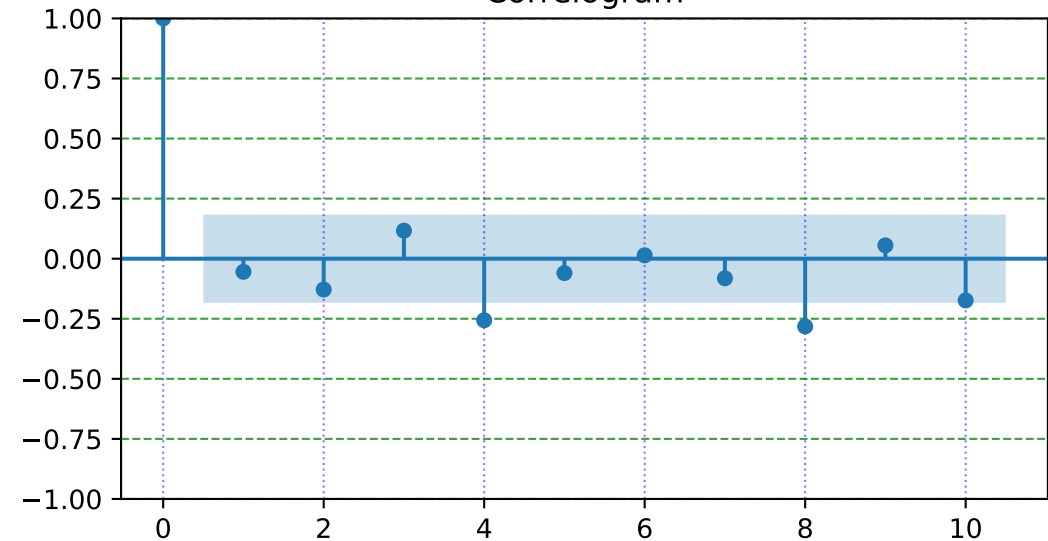
Normal Q-Q



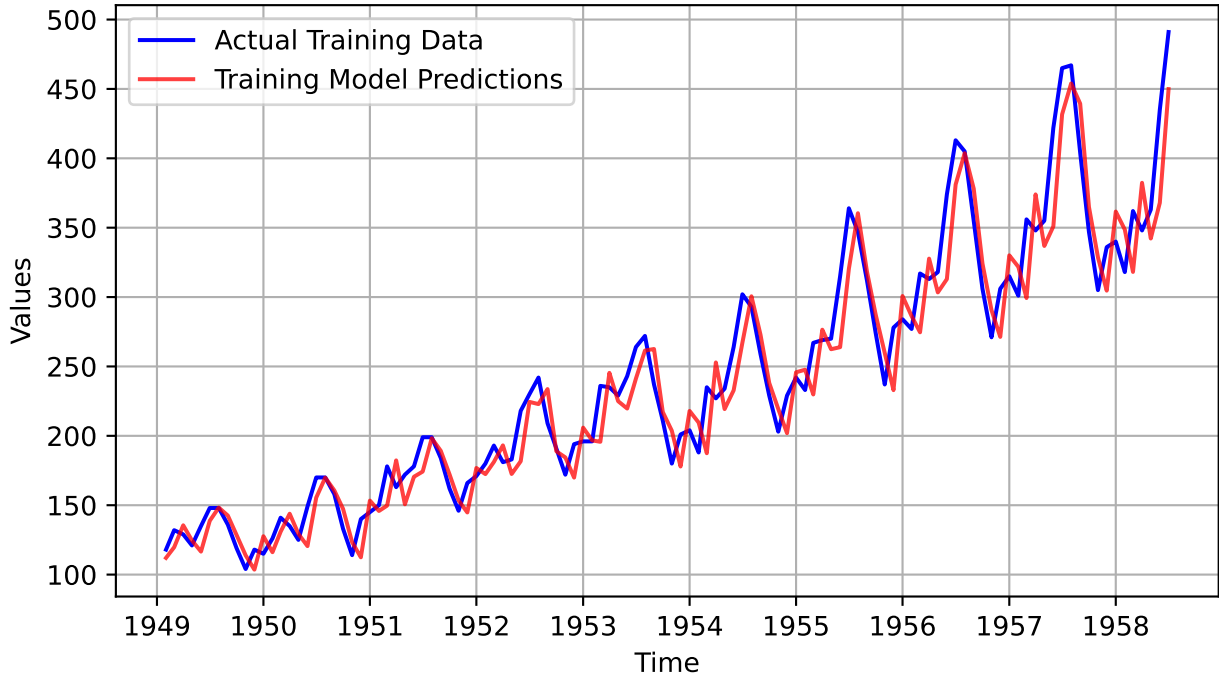
Histogram plus estimated density



Correlogram



Training Data vs. Training Model Predictions



SARIMAX Results

Dep. Variable: Thousands of Passengers No. Observations: 115
 Model: ARIMA(2, 1, 1) Log Likelihood -525.324
 Date: Sat, 06 Apr 2024 AIC 1058.648
 Time: 19:29:44 BIC 1069.592
 Sample: 01-01-1949 HQIC 1063.089
 - 07-01-1958

Covariance Type: opg

	coef	std err	z	P> z	[0.025	0.975]
ar.L1	1.0717	0.111	9.615	0.000	0.853	1.290
ar.L2	-0.4397	0.105	-4.177	0.000	-0.646	-0.233
ma.L1	-0.8309	0.110	-7.556	0.000	-1.046	-0.615
sigma2	585.6414	79.145	7.400	0.000	430.519	740.764

Ljung-Box (L1) (Q): 0.35 Jarque-Bera (JB): 7.55
 Prob(Q): 0.56 Prob(JB): 0.02
 Heteroskedasticity (H): 6.24 Skew: 0.61
 Prob(H) (two-sided): 0.00 Kurtosis: 2.69

Warnings: 0.6

[1] Covariance matrix calculated using the outer product of gradients (complex-step).