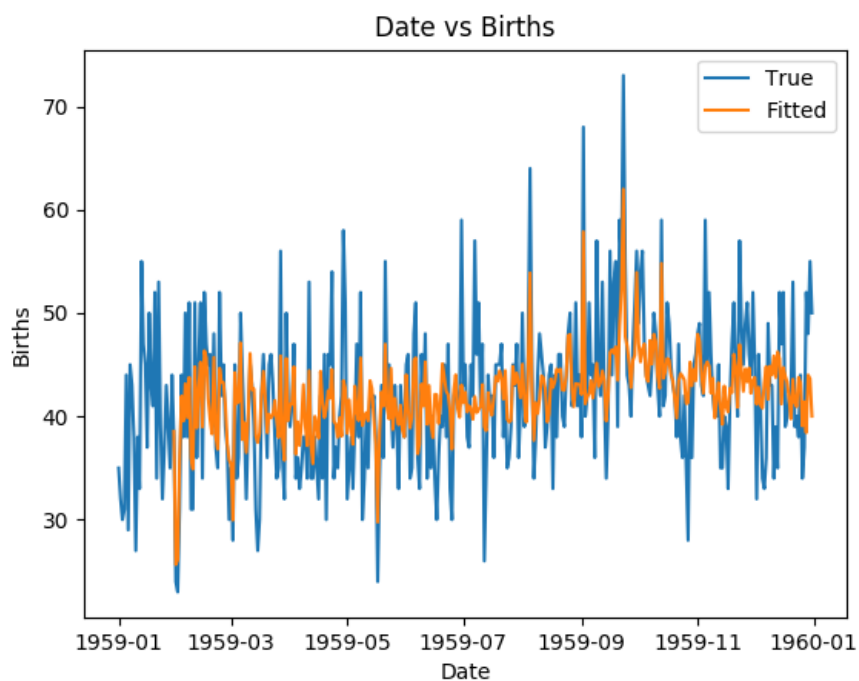# Automatically Generated Report

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1 Dataset Summary

The dataset Births in 1959 has data covering the range of dates between 1959-01-01 and 1959-12-31. The interval between data points is 1.0 days. Forecasts are calculated based on training the model on the 29 days preceding the date being forecasted. The mean and median of Births are 41.98 and 42.0 respectively. Below is the timeseries plot of the data.

2 Forecast Accuracy

The forecast accuracy of the model was evaluated using 2 metrics: mean absolute error (MAE) and root mean squared error (RMSE).

MAE = 4.4

RMSE = 5.48

3 Significant Events

The following signficant event dates were captured using a z-score threshold of 3.5:

Date	pctChangeInBirths
1959-01-13	0.67
1959-01-22	0.56
1959-02-10	0.65
1959-03-03	0.61
1959-03-27	0.6
1959-03-30	0.56
1959-04-11	0.56
1959-09-02	0.79
1959-09-09	0.58
1959-10-28	0.57

The following plot shows the timeseries data along with red dashed lines representing the dates of the significant events.

Date vs Births

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