

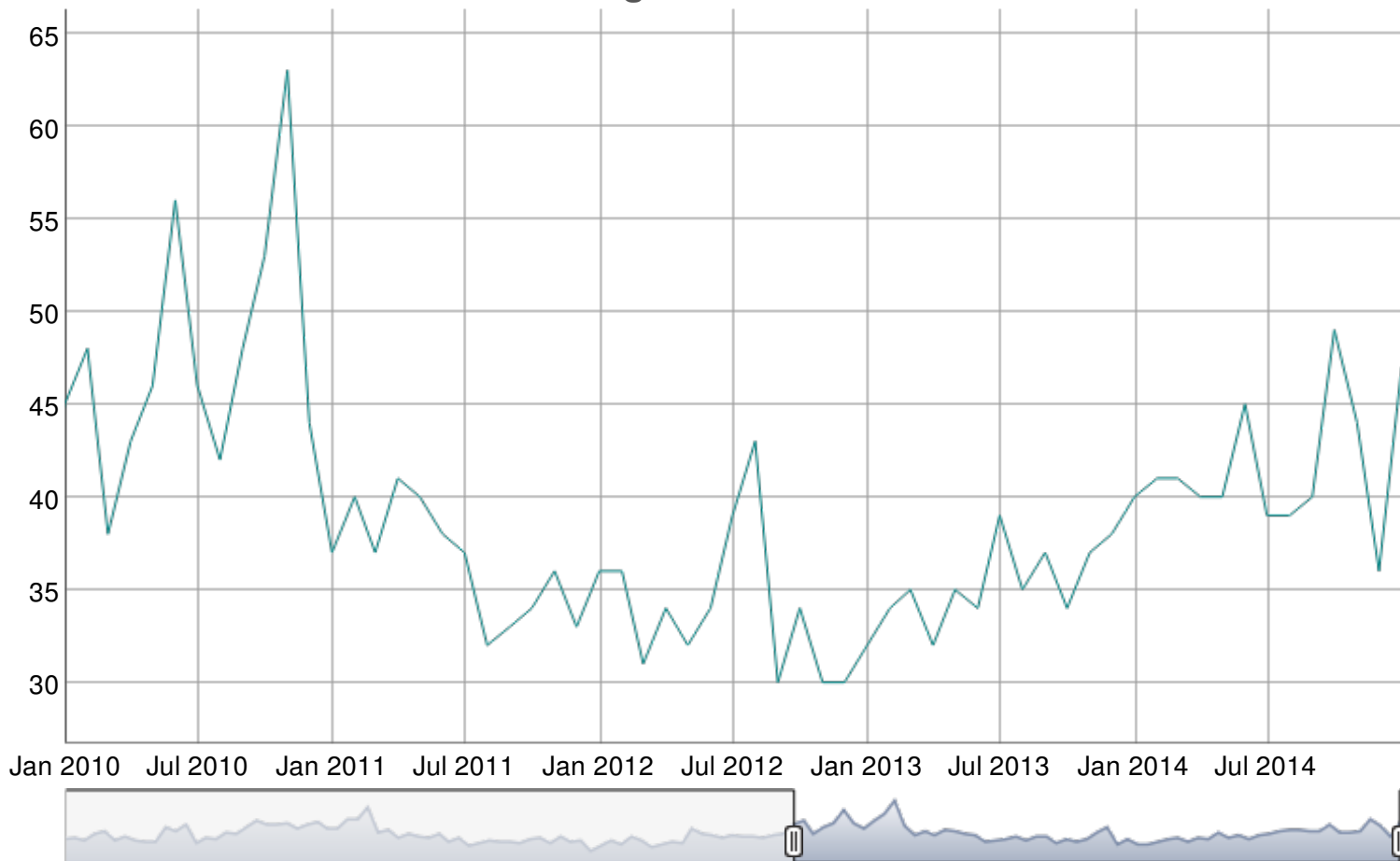
Time series analysis

Time series analysis comprises methods for analyzing time series data in order to extract meaningful statistics and other characteristics of the data. *Time series forecasting is the use of a model to predict future values based on previously observed values.*

Note: The dataset has been downloaded from Google Trends. **Google Trends** is a public web facility of Google Inc., based on Google Search, that shows how often a particular search-term is entered relative to the total search-volume across various regions of the world, and in various languages.

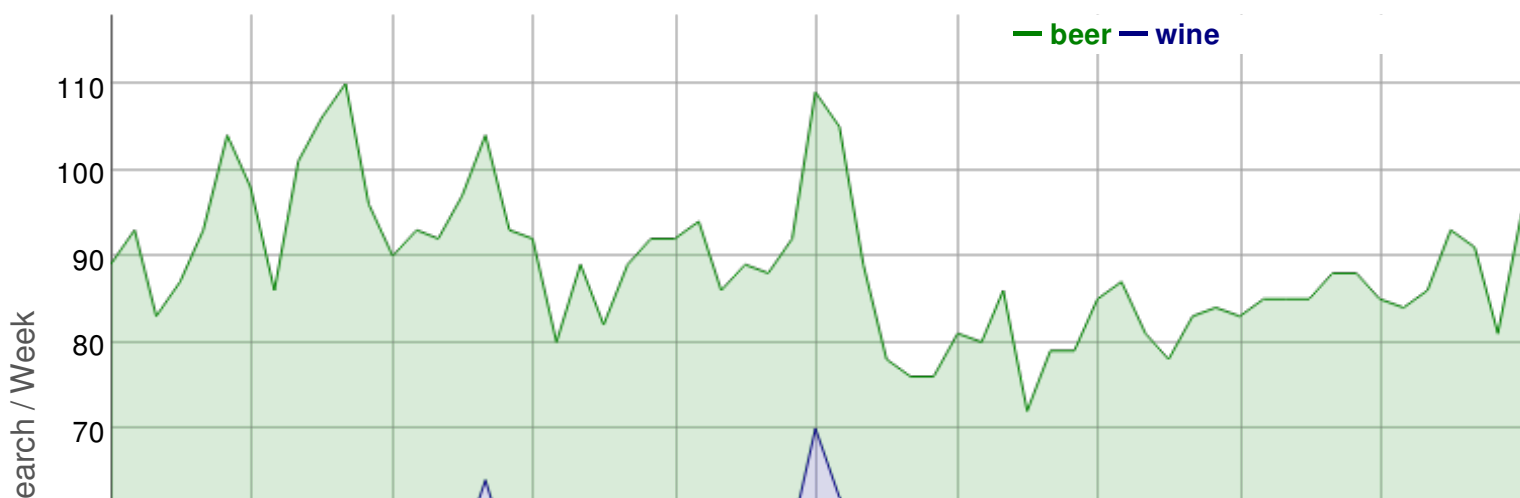
Trends on beer from 2010-2015

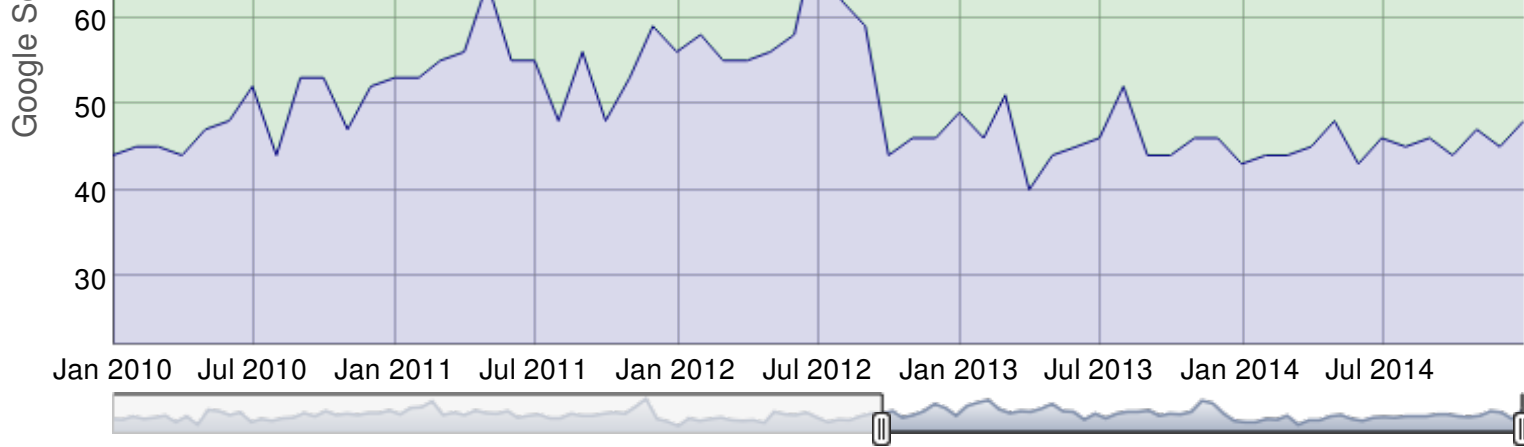
Google Trends



Trends on beer versus wine from 2010-2015

Web Search Beer vs Wine





Predict wine web search for the next 36 months

	fit	upr	lwr
[1,]	46.05067	58.80815	33.29320
[2,]	48.00040	61.19843	34.80236
[3,]	45.11715	58.74626	31.48804
[4,]	48.29480	62.34640	34.24319
[5,]	46.00538	60.47167	31.53910
[6,]	48.63028	63.50413	33.75644

Plot prediction values

Predicted Wine Web Search

