

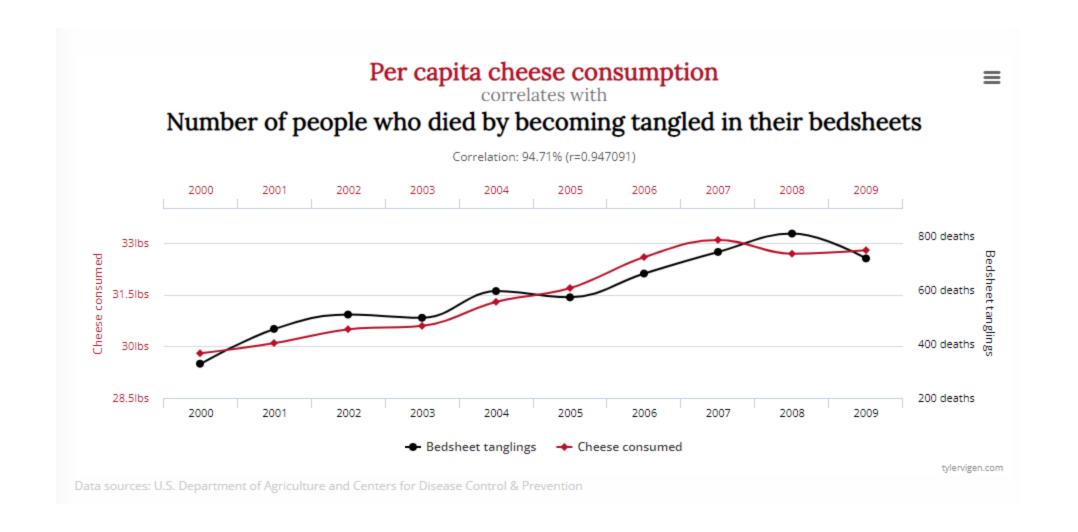
Hackathon November 2021 2. Day



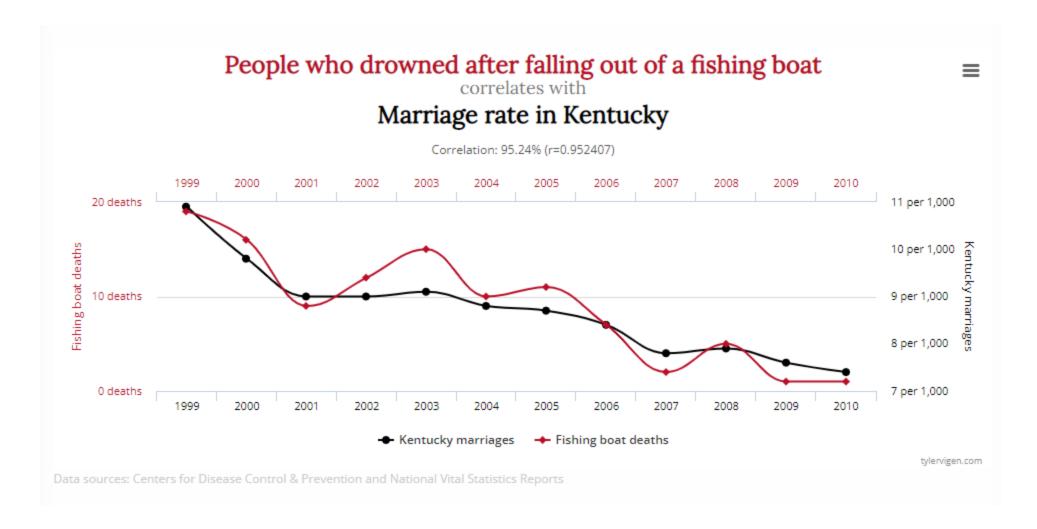
Tips

1. Spurious correlations

Spurious correlations (Spurious Correlations (tylervigen.com))



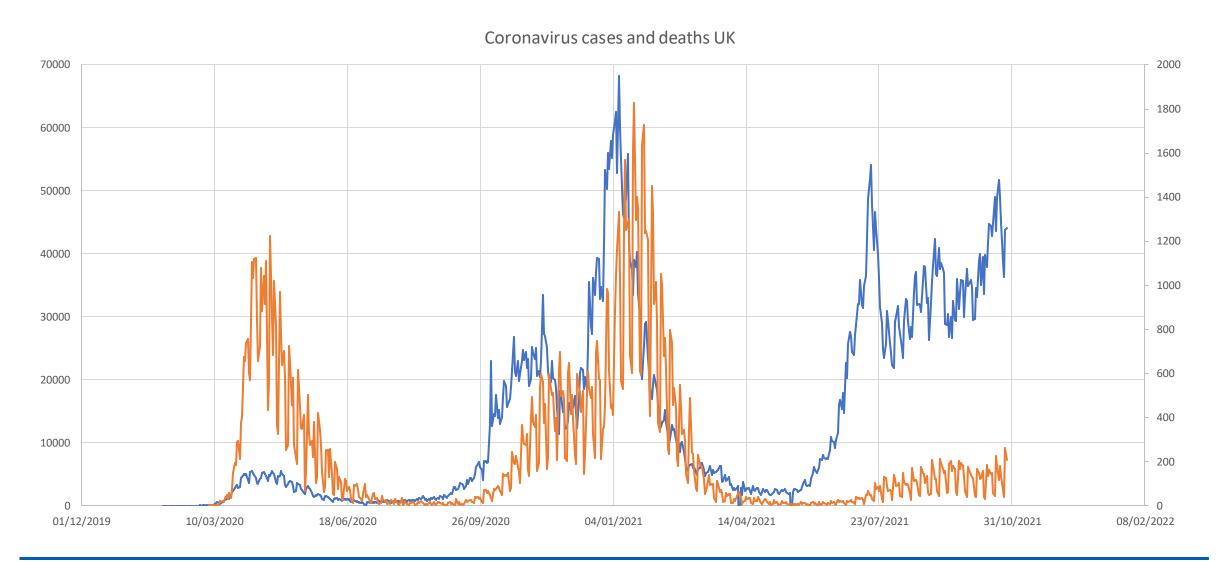
Spurious correlations (Spurious Correlations (tylervigen.com))



Tips

- 1. Spurious correlations
- 2. Pre-whitening and double pre-whitening for correlations Prewhiten() in package TSA
- 3. Stationarity
- 4. Correlations explaining noise or trend?

Correlations of time series



Tips

- 1. Spurious correlations
- 2. Pre-whitening and double pre-whitening for correlations Prewhiten() in package TSA
- 3. Stationarity
- 4. Correlations explaining noise or trend?
- 5. Correlations with lagged data
- 6. Crosscorrelation function investigating different lags

<u>r - Interpreting correlations between two time-series - Cross Validated (stackexchange.com)</u>
<u>"Correlation" terminology in time series analysis - Cross Validated (stackexchange.com)</u>
<u>Avoiding Common Mistakes with Time Series (svds.com)</u>

Advanced:

10.3 - Regression with Autoregressive Errors | STAT 462 (psu.edu)