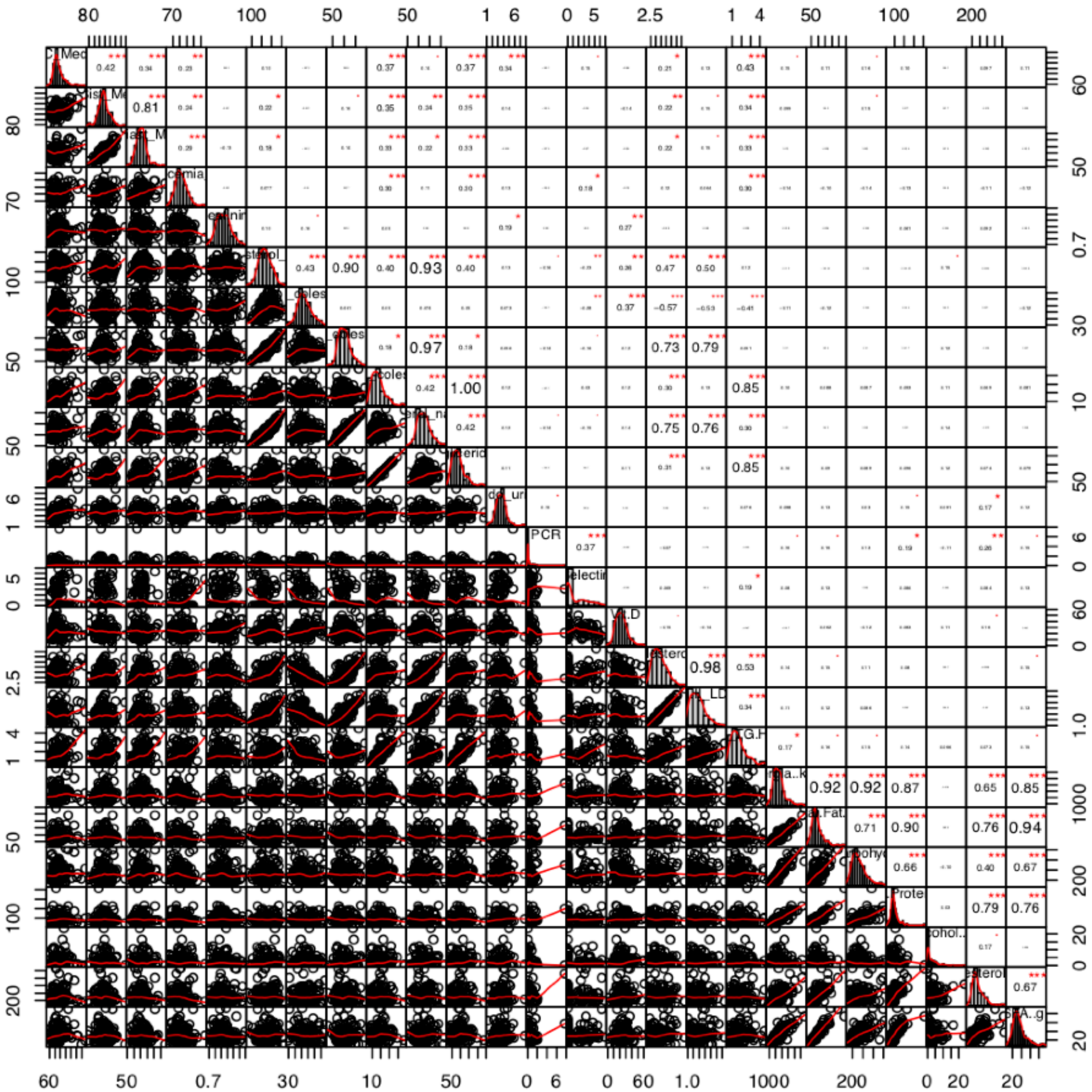
- Muito usadas para inferir associação
- Anunciadas como causa ou consequência.

- Big Data trap.
  - Correlações espúrias

- Correção de testes múltiplos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0.81 0.24 0.22 0.35 0.34 0.35 0.34
0.29 0.18 0.33 0.22 0.33 0.22 0.33
0.30 0.30 0.18 0.27 0.30
0.43 0.90 0.40 0.93 0.40 0.36 0.47 0.50
0.37 −0.57 −0.53 −0.41
0.18 0.97 0.18 0.73 0.79
0.42 1.00 0.30 0.85
0.42 0.75 0.76 0.30
0.31 0.85
0.17
PCR 0.37 0.19 0.26
0.98 0.53 0.34
0.37 0.92 0.92 0.87 0.65 0.85
0.71 0.90 0.76 0.94
0.66 0.40 0.67
0.79 0.76
0.17
0.67

_computational BIOLOGY

PRIMER

How does multiple testing correction work?

William S Noble

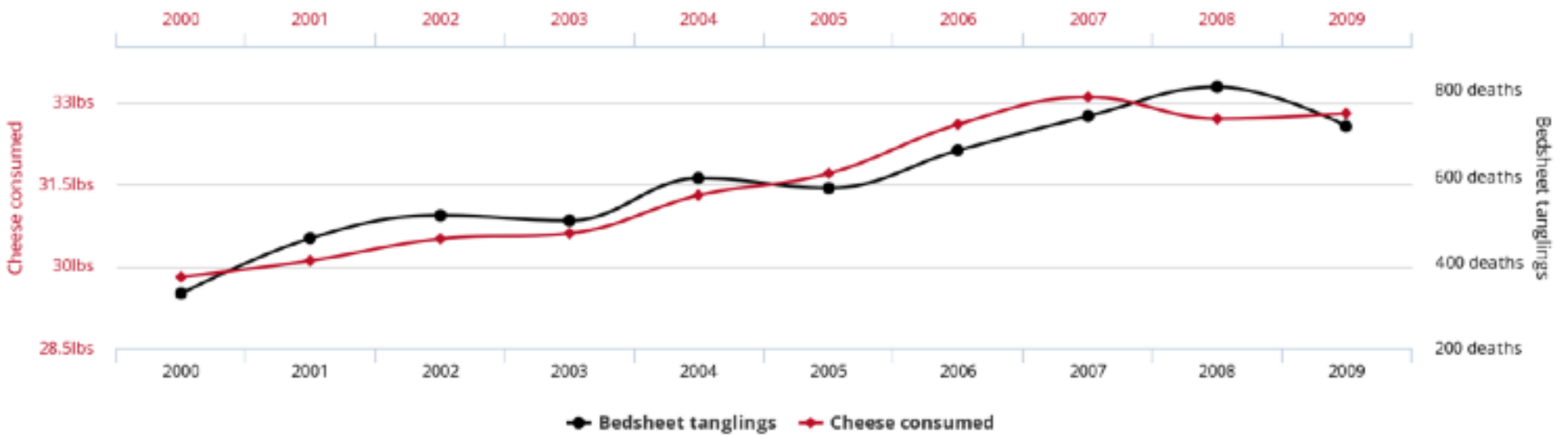
When prioritizing hits from a high-throughput experiment, it is important to correct for random events that falsely appear significant. How is this done and what methods should be used?

As correlações

Per capita cheese consumption

correlates with

Number of people who died by becoming tangled in their bedsheets



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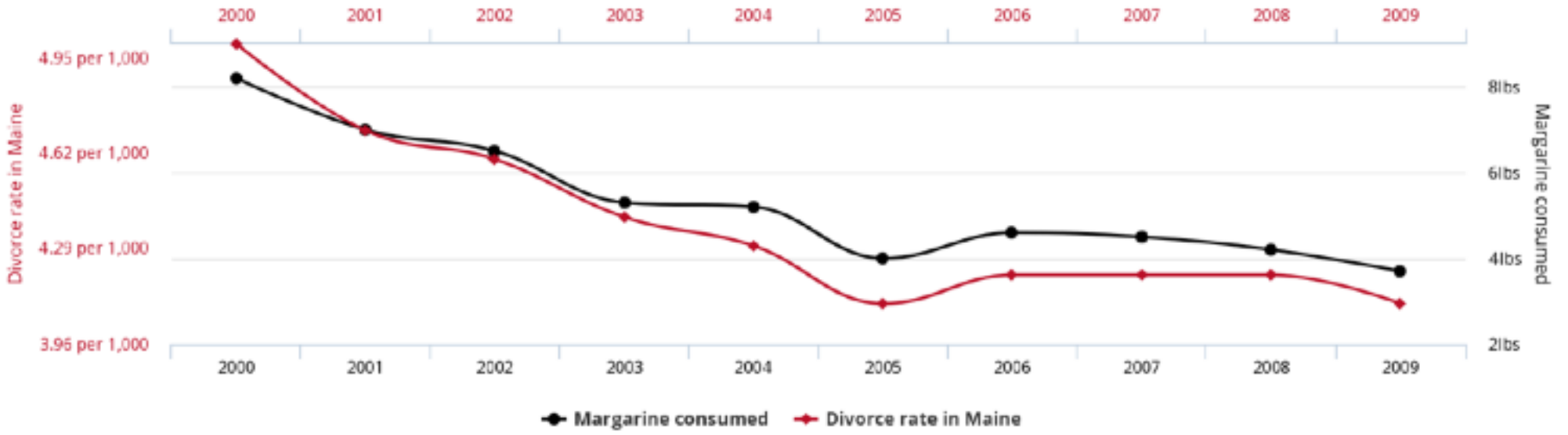
Divorce rate in Maine

correlates with

Per capita consumption of margarine



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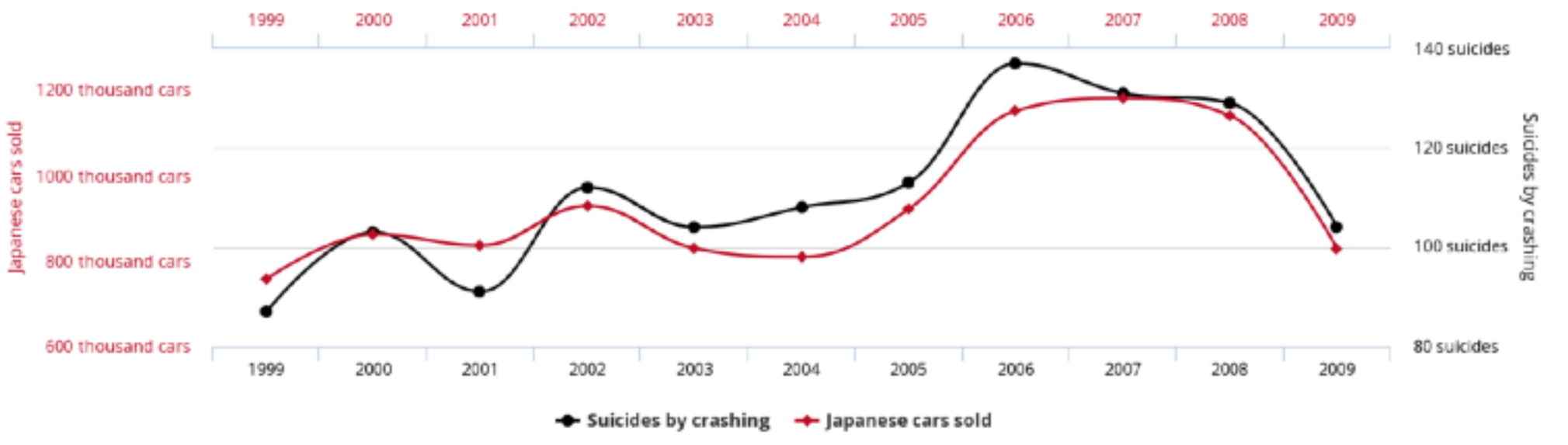
Japanese passenger cars sold in the US

correlates with

Suicides by crashing of motor vehicle



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BREAKING NEWS
BEDSHEET LAWS REVISED
12:02
TANGLING IS A RELEVANT CAUSE OF DEATH IN FRANCE AND IN MINAS GERAIS STATE

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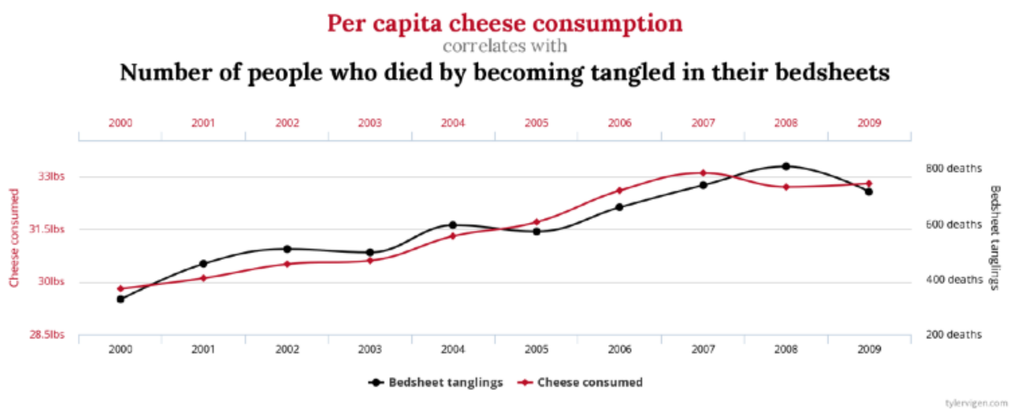
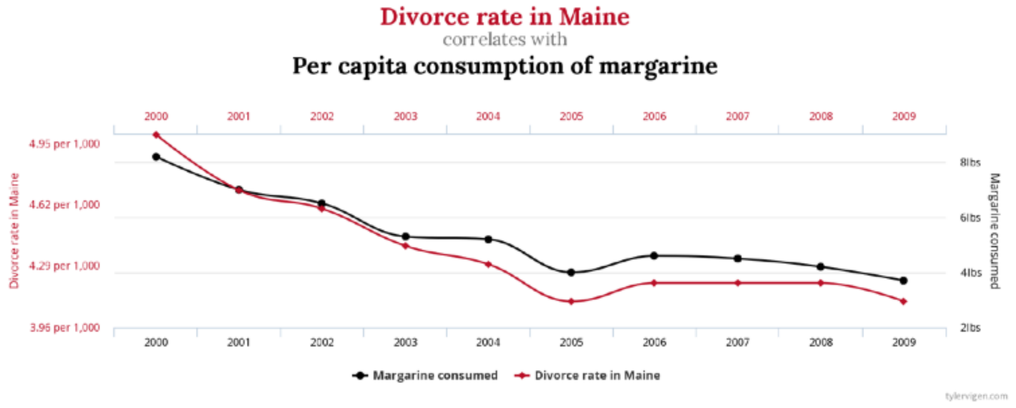
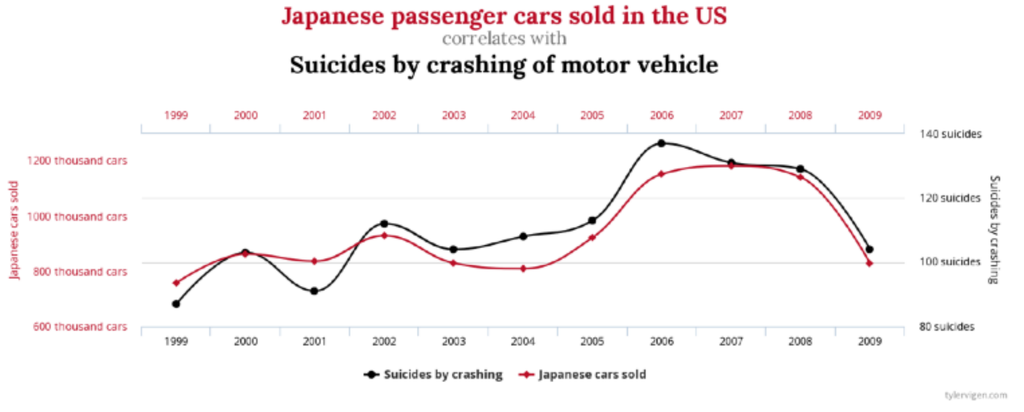
BREAKING NEWS
MARAGRINE ADS AREN'T TRUE
14:14
KEEP YOUR FAMILY TOGETHER, AVOID MARGARINE IN YOUR BREAKFAST.

LIVE
breakyourownnews.com
BREAKING NEWS
JAPANESE CARS: HELL ON WHEELS
12:10
JAPANESE CARS ARE SO BAD THAT MAKE THE OWNERS WANT TO DIE

As correlações







Aleatório?