

Hannah Fry



Fry studies the patterns in human behaviour particularly in an urban setting for example shopping, transport, urban crime, riots and terrorism.

Television

Climate Change by Numbers

Hannah Fry's very first documentary; Climate Change by Numbers aimed to cut through the oceans of information surrounding the subject and focus its attention on just three key figures.

Example: 0.85 degrees, is the amount the Earth has warmed since 1880.

The Joy of Data

This reveals what data is and how it is captured, stored, shared and made sense of.

In this documentary Fry looks at the phenomenon of wikipedia and philosophy. Clicking on the first lowercase link in the main text of a Wikipedia article, and then repeating the process for subsequent articles, usually end up on the Philosophy article. As of 26th May 2011, 94.52% of all articles in Wikipedia lead eventually to the article Philosophy.

BBC2 – City in the Sky

“At any point in time there are a million people in the air - a city's worth of citizens in the sky. And the similarities with the city don't end there. These people need feeding, fuel, medical care and emergency response teams - just as we do on the ground. The logistics that go into the design of these systems require a surprising amount of mathematical optimisation, clever science and engineering. “



Radio Shows

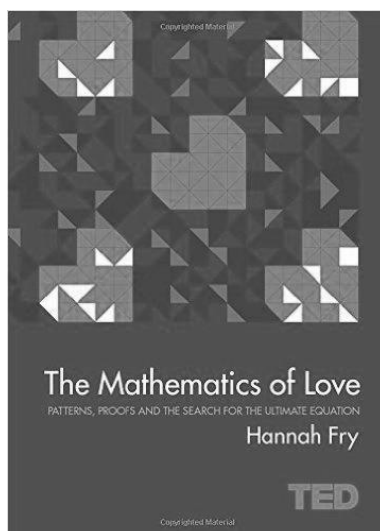
BBC4 - The Curious Cases of Rutherford and Fry

BBC4 - Can Maths Combat Terrorism?

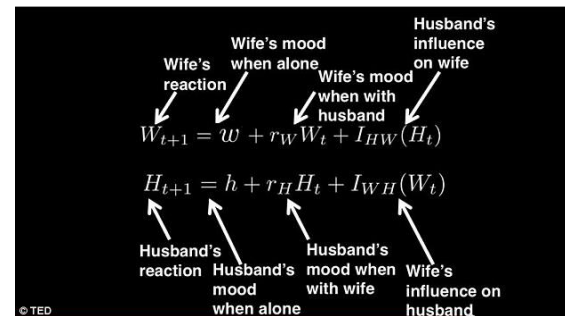
BBC1 - Music by Numbers

Ted Talk

In 2014 Fry gave a TED talk called 'The Mathematics of Love' which attracted nearly 4 million views. Following the TED talk she published a book on the topic called *The Mathematics of Love: Patterns, Proofs, and the Search for the Ultimate Equation* in which Fry applies statistical and data-scientific models to dating, sex and marriage.



Topics discussed in the lecture



This formula produced by psychologist John Gottmann and mathematician James Murray predicts how positive or negative a wife and husband will be when they respond in the next turn of a conversation. The most successful couples are those that allow each other to complain and don't let trivial problems build up.

One mathematical trick to maximise your chances of finding long-term love is the "37 per cent rule". Basically, set aside 100 people you're interested in, swipe left on the first 37, and then choose the next person you come across that you think beats all the previous ones.

Quote

"An arguing couple spiraling into negativity and teetering on the brink of divorce is actually mathematically equivalent to the beginning of a nuclear war."