

Hints for Exercises, Monday, first hour

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Colorblindness

1. Two independent events must happen for a woman to be colorblind.
2. Repeat the computation above with a p instead of 0.08. (The correct answer is in the vicinity of 71%.)

Forwards and backwards prediction For the statistical perspective on the situation, use the chain rule.

Chinese whisper Each bit must either be subject to 0 or two errors. The bits are independent and must all be transmitted correctly. (The correct answer is about 67%.)

Coin flipping Draw a square containing all the possibilities.