

CogSci 190: Lab 0

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Topic 1: Uncertainty in estimation

1. Our hypothesis is that as the number of dots increases, the number estimation becomes less accurate.
2. For each trial, we would calculate the average standard deviation of estimation from the actual target number, and analyze the trend that appears as the number of dots increases.
3. We found that as the number of dots increases, the average standard deviation of estimation from the actual target number also increases.
4. While there are some outliers in the data, we see an increasing average standard deviation of estimations in general. We concluded that the subjects' estimations become less accurate as the number of dots increases. However, the data set does not reflect the spatial distribution of dots of each trial, which hugely affects the counting of dots.

