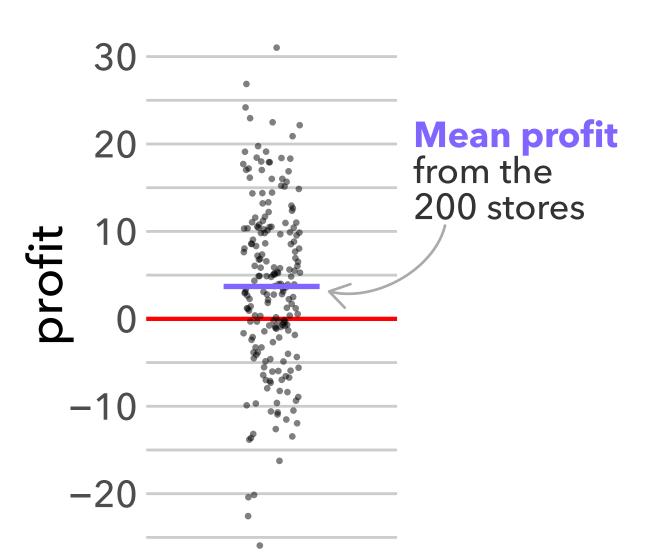
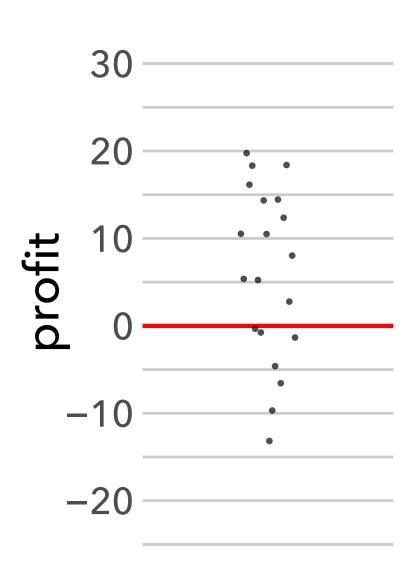
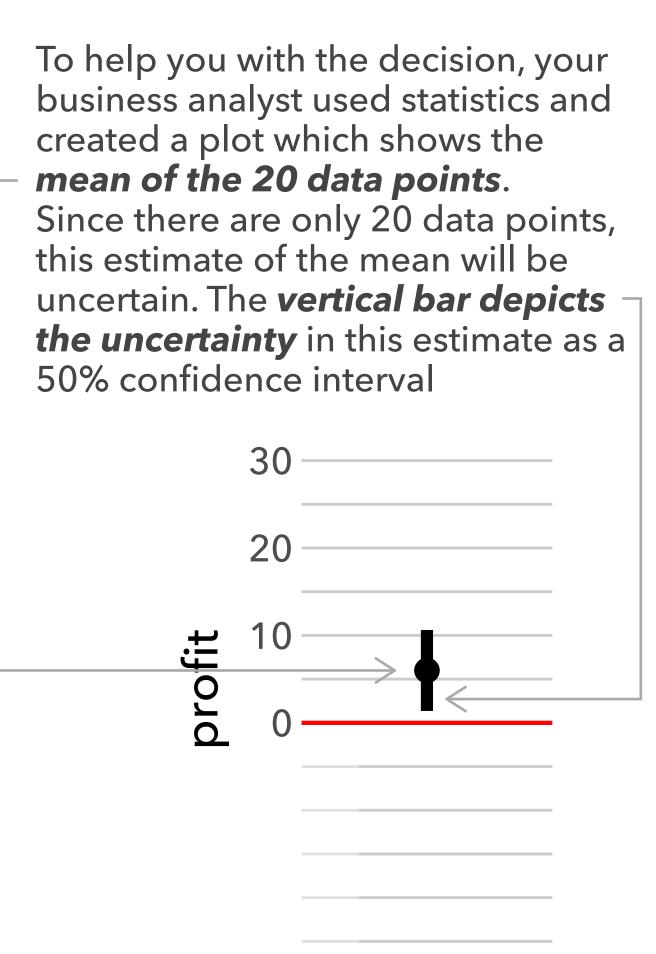
You are a manager supervising the sales of stores. In each region there are 200 stores. The graph below shows what the profit for each store looks like. Your task will be to guess whether the average profit of the stores in a region is greater than zero

However, you only receive the sales data for 20 stores, and you have to make the decision based on this limited information.







Note: A 50% confidence interval is constructed such that if we repeated this process many times, roughly 50% of the constructed intervals would contain the true mean.