



## What is statistics good for?

Quiz, 5 questions

1  
point

1. We covered four example broad areas of statistics. These were (check all that apply):

- ☐ Prediction
- ☐ Gut instincts
- ☒ Inference
- ☒ Descriptive
- ☒ Experimental design

1  
point

2. Descriptive analysis includes which activities (check all that apply)?

- ☒ Exploratory data analysis
- ☐ Sample size calculations
- ☒ Basic summary tables

1  
point

3. Statistical inference is defined as:

- ☐ The process of performing unsupervised clustering.
- ☒ The process of drawing conclusions about populations from a sample.
- ☐ The process of adding randomization to an experimental design.
- ☐ The process of evaluating predictions using cross validation.

1  
point

4. Predictions are typically evaluated by:

- ☒ A measure of prediction performance.
- ☐ Whether randomization was included in the design.
- ☐ Model simplicity.

1  
point

5. Randomization of a treatment in a design is used for:

- ☒ Balancing observed and unobserved covariates that may contaminate our results.
- ☐ Obtaining good predictions.

☒ I, **Marin Sarbulescu**, understand that submitting work that isn't my own may result in permanent failure of this course or deactivation of my Coursera account.

[Learn more about Coursera's Honor Code](#)

Submit Quiz