

DSFA
Spring 2021

Lecture 9

Functions

Announcements

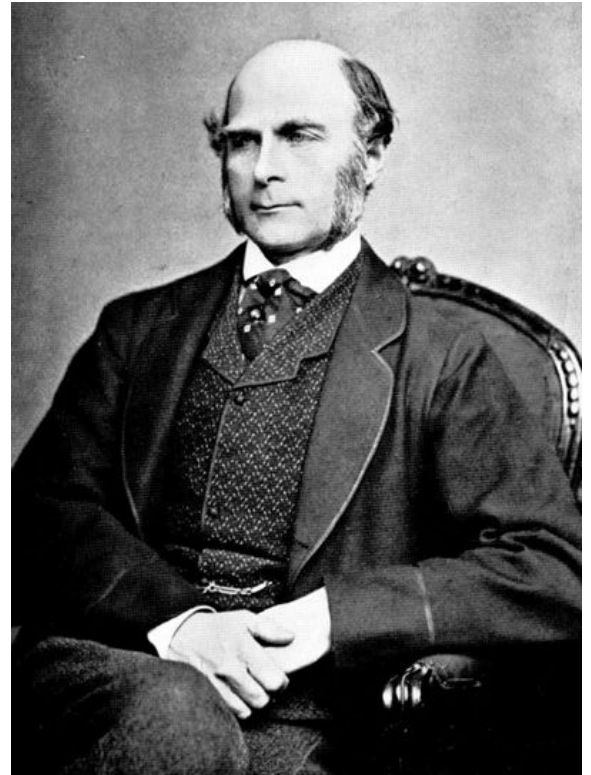
- HW 3 out, due Friday at 5:59PM, usual 1 point bonus for turn-in on Thursday.
 - Lab 4 out.
 - Project 1 coming out this Friday. Find a partner from your own section.
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Comparing Histograms

Sir Francis Galton

- 1822 - 1911 (knighted in 1909)
- A pioneer in making predictions
- Particular interest in heredity
- Charles Darwin's half-cousin

(Demo)



Overlaid Graphs

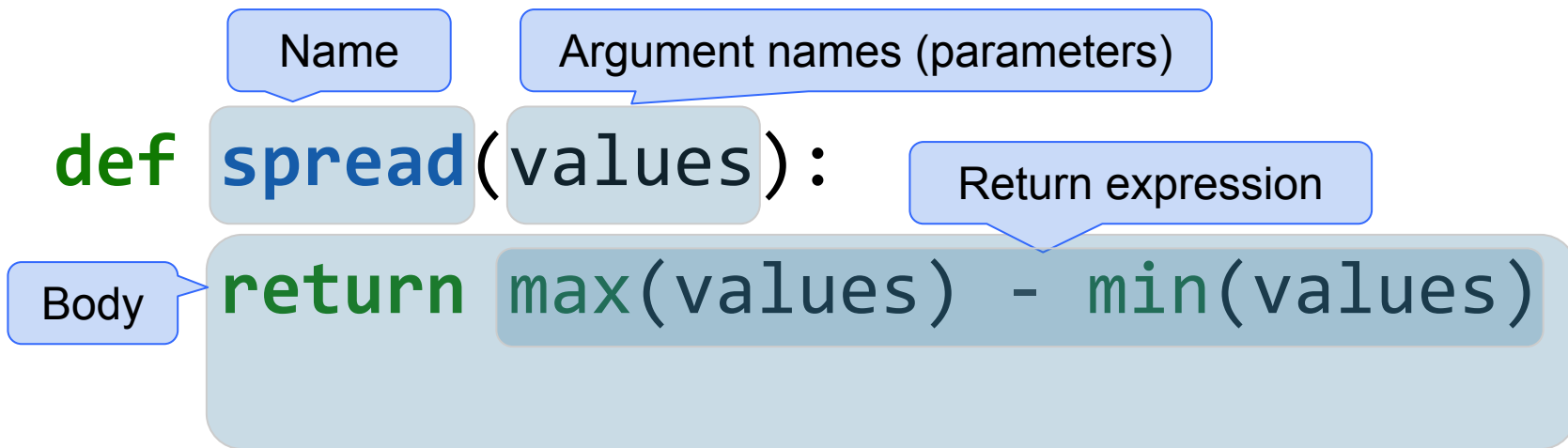
For visually comparing two populations

(Demo)

Defining Functions

Def Statements

User-defined functions give names to blocks of code



(Demo)

Apply

Apply

The `apply` method creates an array by calling a function on every element in input column(s)

- First argument: Function to apply
- Other arguments: The input column(s)

```
table_name.apply(function_name, 'column_label')
```

(Demo)

Example: Prediction