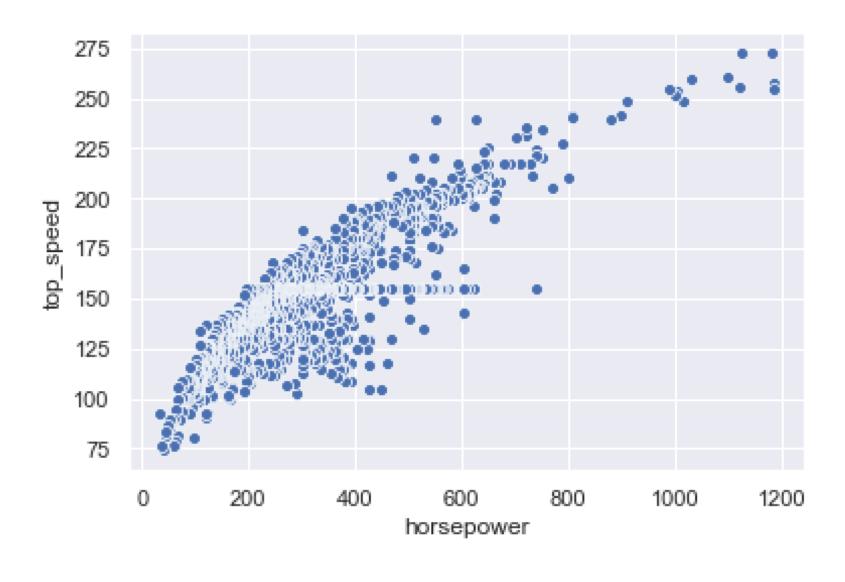
### SEABORN SCATTERPLOT

#### WHAT YOU'LL LEARN

- How to create scatterplots with Seaborn
- How to use the sns.scatterplot() function
- How to modify your scatterplots
  - remove the "edge" around the points
  - change color
  - change opacity
  - etc ...

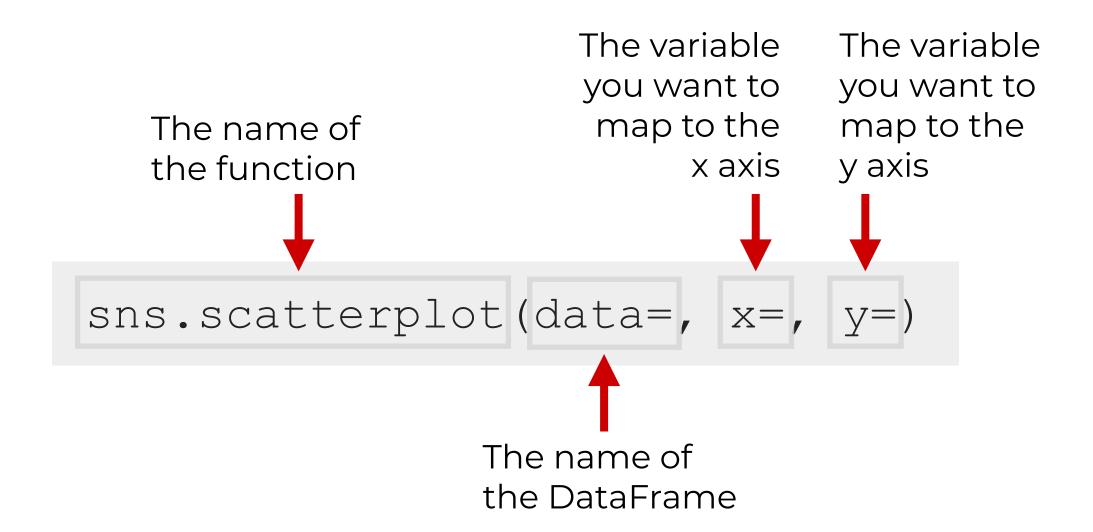
### SEABORN SCATTERPLOT OVERVIEW

# WE CAN USE SEABORN TO CREATE A SCATTERPLOT OF POINTS



### SEABORN SCATTERPLOT SYNTAX

#### SYNTAX OF SNS.SCATTERPLOT



### PARAMETERS OF SNS.SCATTERPLOT

#### THE PARAMETERS OF SNS.SCATTERPLOT

Parameter	What it does	Format	Required?	Default
data	Specify dataframe	DataFrame	Y	
X	Specify variable to map to the x-axis	Numeric variable	Y	
У	Specify variable to map to the y-axis	Numeric variable	Y	
edgecolor	Set color of the edge of the points	Color name	N	Typically white, but depends on settings
color	Set color of the interior of the points	Color name	N	Typically blue, but depends on settings
alpha	Set the opacity of the points	Value between 0 and 1	N	7
hue	Change color of points according to the values of some variable	Numeric or categorical var	N	

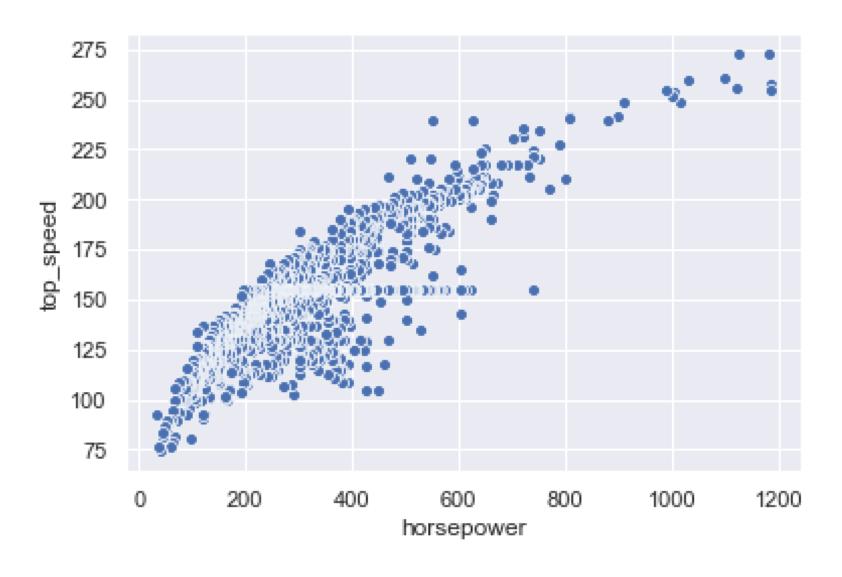
Note: sns.scatterplot() has many more parameters, but these are the most commonly used

### EXAMPLES OF SNS.SCATTERPLOT

# EXAMPLE 1: A SIMPLE SEABORN SCATTERPLOT

Specify the DataFrame and map variables to the x and y axes

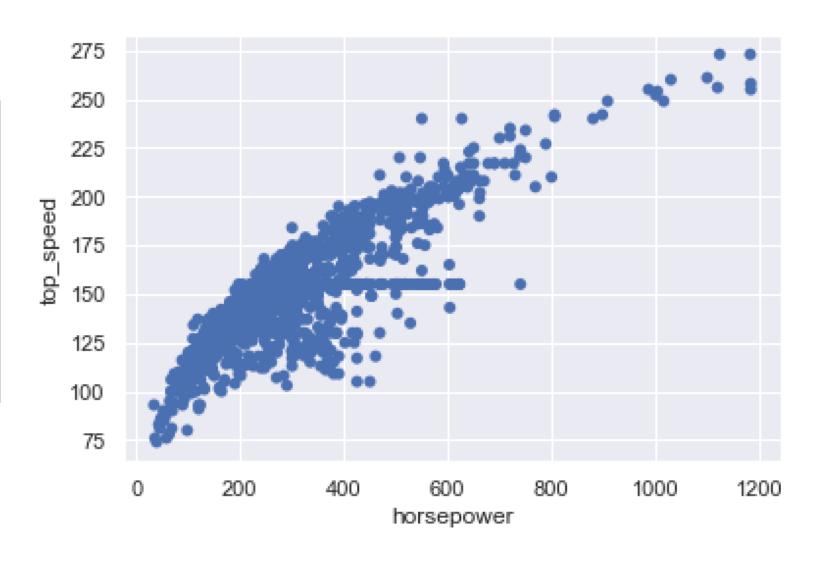
# EXAMPLE 1: A SIMPLE SEABORN SCATTERPLOT



#### EXAMPLE 2: REMOVE POINT EDGES

Here, we're removing the edge color with edgecolor = none

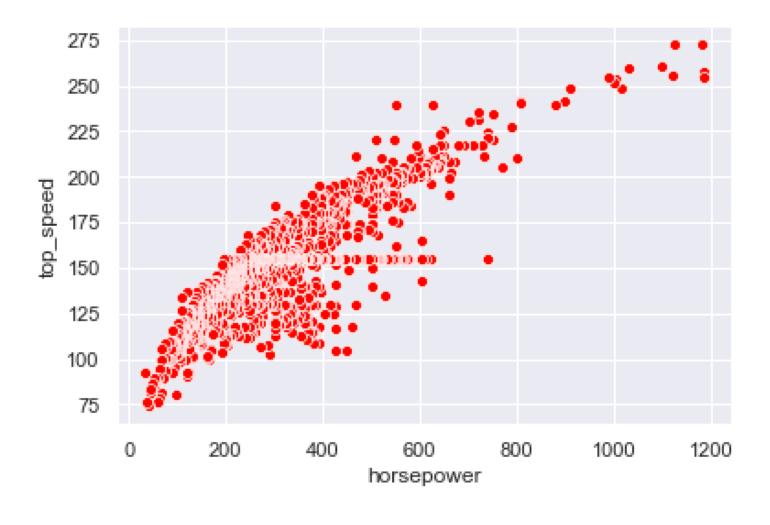
#### EXAMPLE 2: REMOVE POINT EDGES



# EXAMPLE 3: CHANGE THE COLOR OF THE POINTS

Here, we're changing the color of the points with the edge color with color = 'red'

# EXAMPLE 3: CHANGE THE COLOR OF THE POINTS

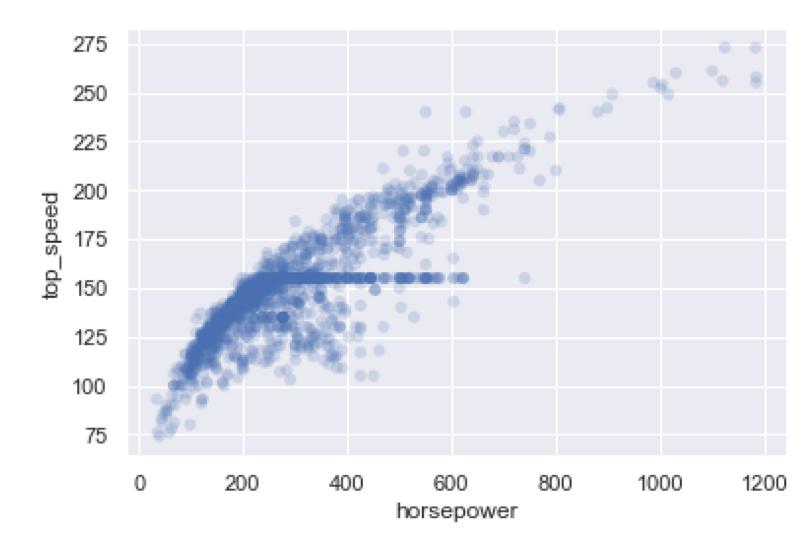


# EXAMPLE 4: REDUCE THE OPACITY OF THE POINTS

Here, we're changing the opacity of the points with alpha = .2

i.e., 20% of full opacity

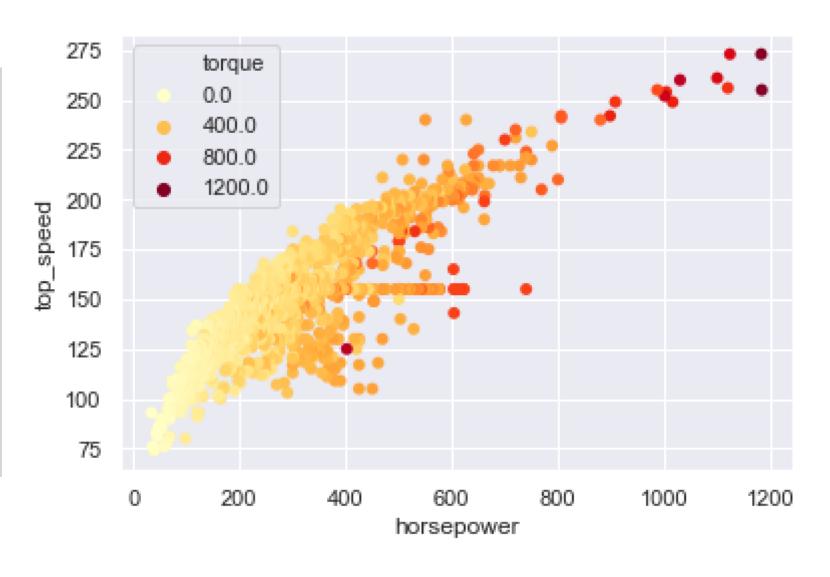
## EXAMPLE 4: REDUCE THE OPACITY OF THE POINTS



#### EXAMPLE 5: CHANGE THE COLOR PALETTE

Here, we're mapping torque to the hue parameter, but we're also changing the palette to 'YlorRd'

#### EXAMPLE 5: CHANGE THE COLOR PALETTE

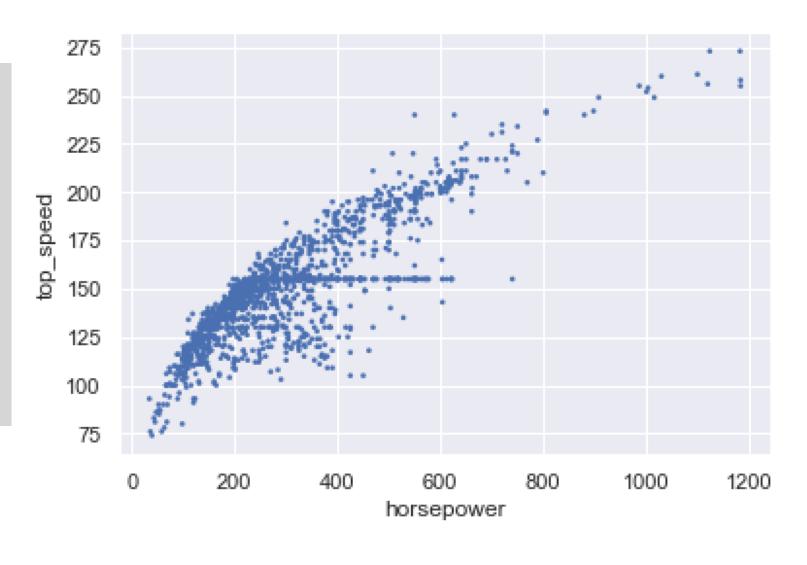


# EXAMPLE 6: CHANGE THE SIZE OF THE POINTS

Here, we're setting the s

parameter to 7 to reduce the size of the points

# EXAMPLE 6: CHANGE THE SIZE OF THE POINTS



### RECAP

#### RECAP OF WHAT WE LEARNED

- How to create scatterplots with Seaborn
- How to use the sns.scatterplot() function
- How to modify your scatterplots
  - remove the "edge" around the points
  - change color
  - change opacity
  - etc ...
- **Next Steps**: Watch the code walkthrough video for step-by-step examples of sns.scatterplot()