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| **Resampling from a Dataset**  rep\_sample\_n(<NAME OF DATASET>,  size = <SIZE OF SAMPLE>,  replace = TRUE,  reps = <NUMBER OF RESAMPLES>)  ***Note:*** The value of TRUE for replace means sampling is done *with replacement*. For sampling *without replacement*, you would need to set replace equal to FALSE. |
| **Working in the infer Package Workflow** |
| **Obtaining the Sample (Observed) Slope**  obs\_slope <- <NAME OF DATASET> %>%  specify(response = <NAME OF VARIABLE>,  explanatory = <NAME OF VARIABLE>) %>%  calculate(stat = "slope")  ***Note:*** This step **must** be done **first**, before you find your confidence interval! |
| **Obtaining 1000 Bootstrap Slope Statistics**  bootstrap\_dist <- <NAME OF DATASET> %>%  specify(response = <NAME OF NUMERICAL VARIABLE>,  explanatory = <NAME OF CATEGORICAL VARIABLE>) %>%  generate(reps = 1000, type = "bootstrap") %>%  calculate(stat = "slope")  ***Note:*** You choose the number of reps. I recommend choosing at least 1000, to get a good idea of the shape of the bootstrap distribution – remember we need to verify it is approximately normal. |
| **Plotting the Bootstrap Distribution**  visualize(data = bootstrap)  ***Note:*** You can add axis labels to this plot! All you need to do is connect the visualize() step to labs() using a **+** sign. |

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| **Obtaining a Percentile Confidence Interval from a Bootstrap Distribution**  get\_confidence\_interval(x = bootstrap,  level = 0.95,  type = “percentile”)  ***Note:*** You choose the confidence level of your interval! |
| **Obtaining an SE Confidence Interval from a Bootstrap Distribution**  get\_confidence\_interval(x = bootstrap,  level = 0.95,  type = “se”,  point\_estimate = obs\_slope)  ***Note:*** You choose the confidence level of your interval! |