* Handling data
  + Load required packages
  + Import raw data properly
  + Select variables of interest
  + Filter for counties with complete data
  + Take a random sample of those counties
* Comparative or predictive research question
  + Write cited introduction to hypothesis
  + Explicitly state research question
  + State any pre-existing belief about result
* Populations
  + Describe study and sample populations with a contingency table of county counts by census region & division
  + Reflect on sample size and quality of sampling method
  + Propose a target population for the research
* Data collection
  + Describe data source(s) & collection methods
  + Make a codebook identifying independent & dependent variable
  + Reflect on reliability of data based on source and collection methods
* Random sample
  + Calculate summary statistics for sample & population
  + Reflect on validity of sample statistics
* Assumptions
  + Reflect on whether you have IID variables
  + Check CLT conditions using a visualization
  + Reflect on whether CLT analysis is appropriate
* Inference
  + Calculate CI for dichotomous independent variable
  + Properly interpret the confidence interval
* Hypothesis test
  + State null and alternative hypotheses
  + Report the point estimate & CI for difference between 2 groups
  + Calculate test statistic and p-value
  + Make correct test decision
* Discussion
  + Conclusion
    - Restate research question & answer it with hypothesis test result
    - Reflect on preexisting belief stated in introduction
  + Limitations
    - Reflect on assumptions made
    - How could study be improved?
  + What was the most important thing you learned from this project & why?
* Summary video