Test Cases

1. List of invalid file names…classify as invalid or valid

* Does it contain a valid file extension?
* Does it contain a valid coverage area?
* Does it contain a valid resolution? Are the resolutions sorted in order?
* Does it contain the data source?
* Does it contain the time period of the data captured in the file?
* Does it contain the variable name that is captured in the data file?
* Case sensitivity

2. List of corrupted data files …classify as invalid or valid

* Does it contain the correct number of attributes?
* For each attribute, is all the data contained in the file of the same data type?
* Is the file cleaned? Does it have missing values, Nan or Null values?
* Does it have a header?
* For each attribute, is all the data within the specified range for that attribute?
* Check if the file naming convention adheres to the actual data in the file.