Filecoin Survey Analysis:

1. **Establishing response statuses** (Ineligible units, multiple submissions, unit nonresponse, completeness status (missing values, non-substantive responses)
2. **Validation and Editing** (Basic Validations (wrong responses, text where number is expected type error), Advanced Validation (serious error or inconsistency in responses), Substantive validations (use of statistics to establish if the responses are in-line with expectations and/or other responses)
   - Basic: it's pretty obvious, doesn't require much external knowledge
   - Advanced: use significant external knowledge, high degree of confidence in result
   - Substantive: requires substantive external knowledge, not confident in results

3. **Coding and Recoding**: For all the open ended questions (which in our case are most of the questions) we need to code the response by assigning a code (word, number, phrases). Once we have done the initial coding, we need to re-do the coding to ensure all the units are comparable and consistent (for example, the data stored by respondents should be in the same unit).
4. **Inter-rater Reliability Test**: We compare our results from the coding step and compare them to check our agreement and disagreement. We calculate a Cohen's Kappa value.
5. **Plotting and Analysis**: For all complete responses, plot results, identify outliers and perform linear regression.