1. Research the Domain – Become familiar with the client's business

As the chief analyst on this project you should start your work by conducting researching into the client’s domain. You can’t analyze something until you understand it.

In this case you will want to dive deep into sub-meters. A good place to start would be reviewing existing players in this market.

Reference [Link](https://www.sciencedirect.com/science/article/pii/S2352484717300616)

* What role do sub-meters play in the power industry?
  + **Submetering** is a method to monitor **the energy** used within a building. ... When paired with a dashboard that allows data to be displayed in a graphical form, **submetering** provides visibility into how, where, and when an organization **can** reduce **energy** demand and **energy** consumption, and therefore **energy** bills.
* What kinds of power usage analytics are currently offered?
* What can be learned from the analytics?
* What are the benefits to consumers?

Equally important in this early phase, is to study the data set documentation. The Electric Power Consumption Data Set documentation can be found on the Resources Tab. Documentation often provides insights you wouldn’t find by moving straight to data exploration.

* Do you understand all of the attributes or do you need to do some research to fill a knowledge gap?
* How is power measured?
* In what kind of units? What household areas are each of the sub-meters measuring?
* Is there additional power and power related information that would benefit analytics in the future if added to the data set?
* Are there any changes to the sub-metering data collection structure that would help future analytics?

Conduct your research thoroughly. Time spent on this step can greatly focus your analysis efforts later.