

The Data Analysis Pipeline, The Big Picture of elementary inference, and Identifying Data Types

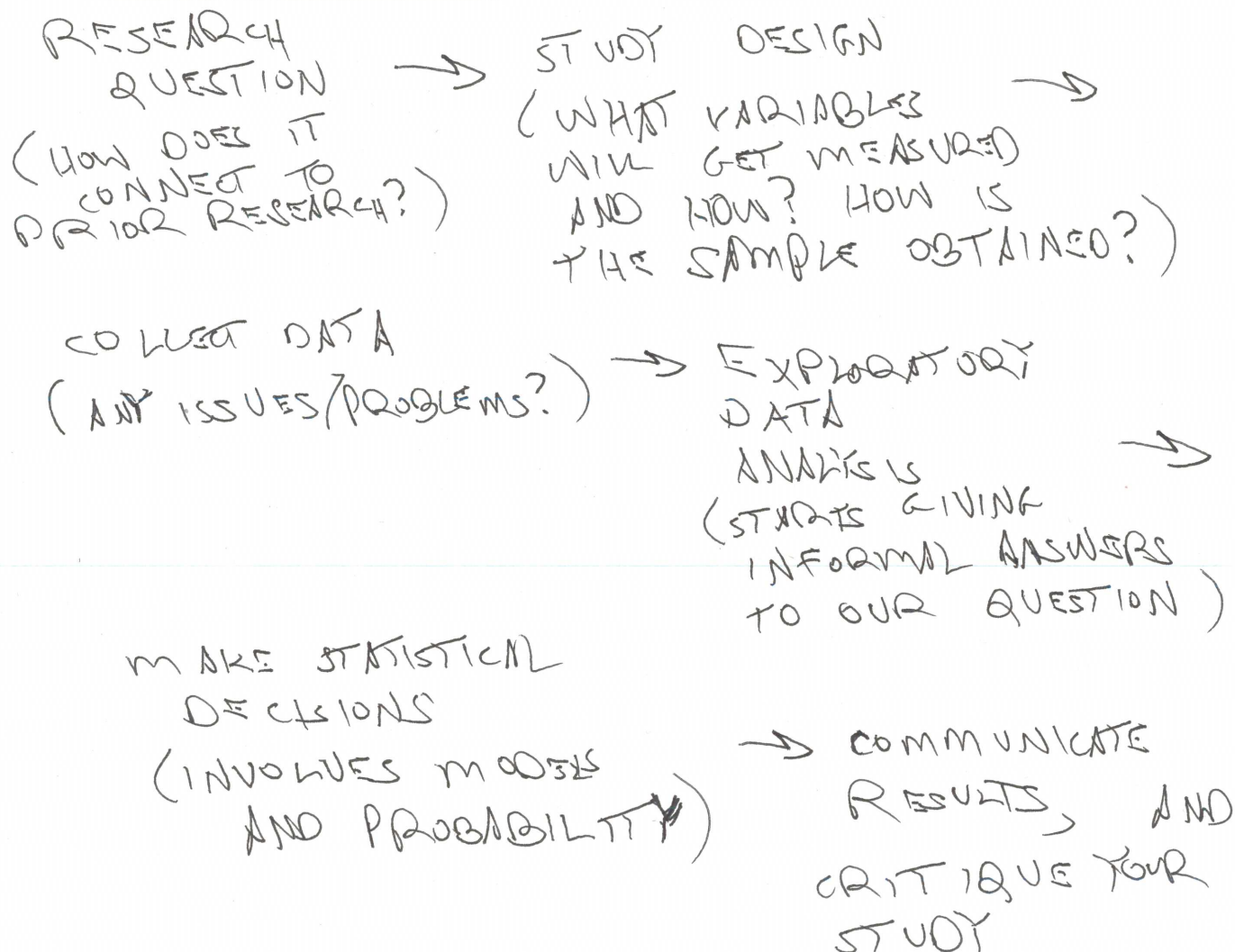
Background

The word "statistics" derives from 'State,' originally referring to the data gathered to assist the administration of a Nation.

But today, the term more broadly encompasses the application of scientific principles for understanding and improving the world.

If research is the vehicle that takes us from ignorance to knowledge, then statistics is what's under the hood (and also how the car gets built). *Statistics is the technology of data.*

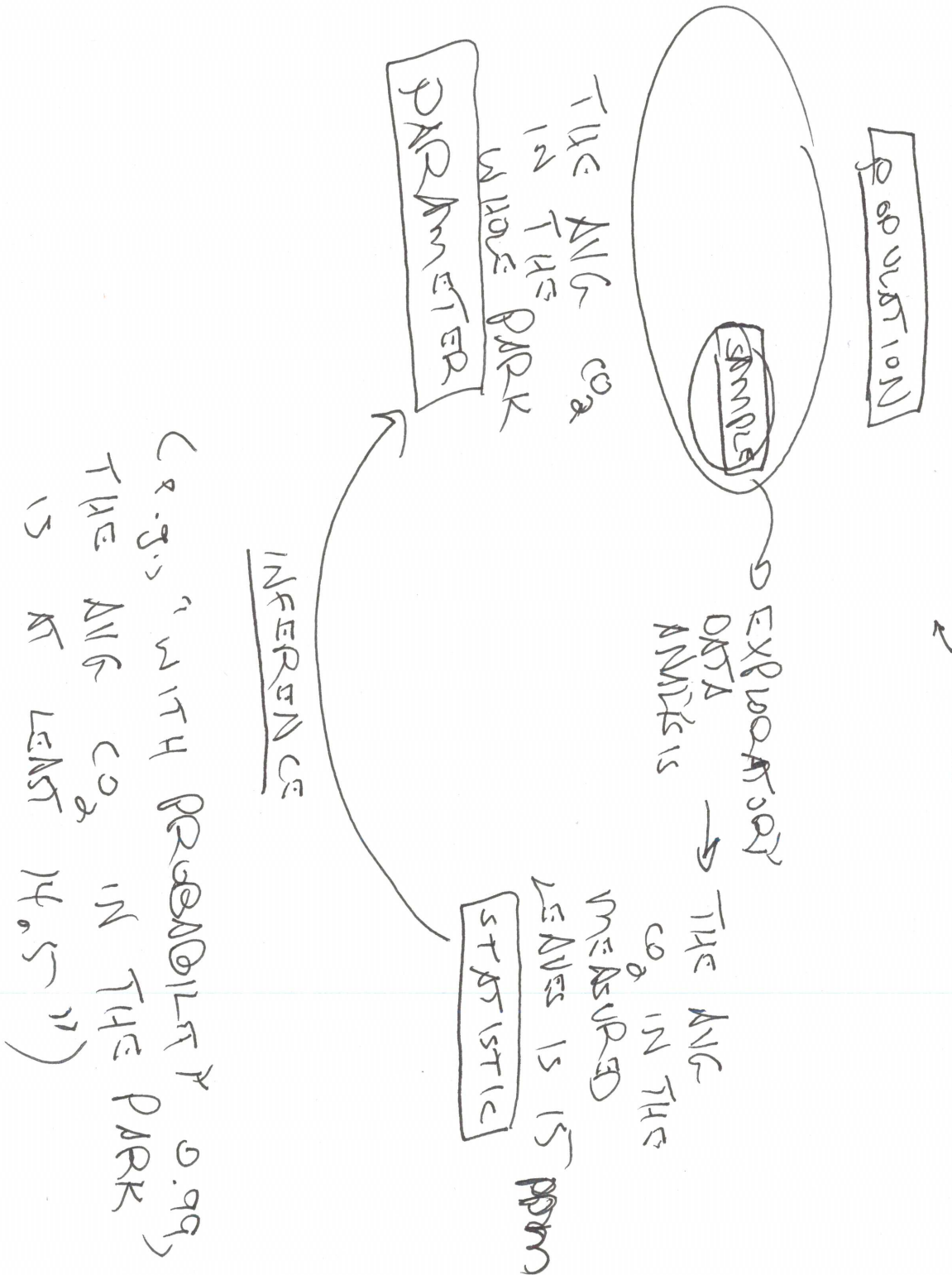
The Data Analysis 'pipeline':



The 'Big Picture' of elementary inference

The 'Big Picture' of Inference: Example 1:

“What’s the Carbon Dioxide (CO_2) level in the leaves on the trees in Schenley Park?”



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