1) Metrics

- a) Business
- b) Proxy
- c) Offline

2 Sampling

- a) Randomized
- b) Stratified

(3) Groups

a) Independent

Simple Design

b) Paired

Crossover Design

@ Robustness

- a) Reverse Experiment
- b) A/A Testing

5 Sample Size

$$n = \frac{Z^2 \cdot p(1-p)}{C^2}$$

- 1. the effect size
- 2. the sample size (N)
- 3. the alpha significance criterion (a)
- 4. statistical power, or the chosen or implied beta (β)

All four parameters are mathematically related. If you know any three of them you can figure out the fourth.