Causal Inference
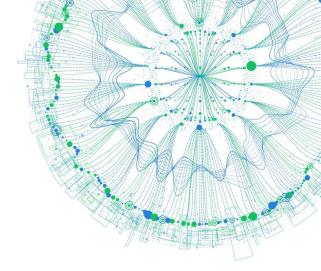
Kubrick's Causal Inference training is aimed to provide a strong foundation for analyzing and drawing causal insights from data.

Part 1 – Causal Inference

1. Introduction to Causality
- Causality Definition
- Types of Causality
- Causal Effects vs Associations

2. Causal Graphs
- Graph Theory
- Direct and Indirect Effects
- Interventions
- Junctions and Structures (Chains, Forks and Colliders)
- d-separation

3. Applications and Paradoxes
- Applications to Interesting Cases
- d-separation

4. Confounding
- Types of Associations
- Confounding Definition
- Why Confounding Distorts Relationships
- Correlation Vs Causation

Part 2 – Econometrics (*)

1. Estimating Causal Effects
- Randomized Trials
- Matching
- Regression
- Instrumental Variables

Module Duration ~ 3 days