

From social science to computational sociology

Yuan-Chih Fu

Assistant Professor

Graduate Institute of Technical and Vocational Education

Article: Engineering a World Class University? The Impact of Taiwan's World Class University Project on Scientific Productivity

Nowadays, we have a lot of data, in social science we deal with computational sociology.

Quantitative = technology involved every year.

We need to run the statistic using computational approach,

Fresh Graduate vs Senior Professor

Hal yang mempengaruhi produktifitas peneliti:

Gender, Age, Faculty Rank (Assoc, Prof), Field (STEM, non-STEM), Administration (without with), teaching hours (Grad school, undergraduate school), Relative (Master advises, PhD advises, Granted research Project).

Bagaimana cara mengoleksi data yang reliable?

Ambil data ke petugas administrasi.

API

Jangan bagi kuisisioner, ada kemungkinan mereka berbohong.

Kekurangan kuisisioner: random sample is scientific (never happen), jadi buatlah survey populasi.

Kedua, orang yang jawab kuisisioner, konsentrasi hanya 3 menit, selanjutnya akan random.

Jika sudah masuk zona ini, analisis apapun, akan tidak berguna. Ketiga,

Social Network Analysis

Six rule, hubungan kita dengan Donald Trump hanya 6 teman. Study ini dilakukan oleh Facebook.

How to collect Data?

Publish or Perish from Harzing.