Theory Explanation Stories

Professor Robin Matthews

Academy of National Economy under the President of the Russian Federation Moscow

Kingston Business School London

Lecture at

London School of Commerce August 14 2013

Summary

- 1. methodology/choice of methodology,
- 2. designing a conceptual model/theory
- 3. testing the conceptual model/theory
- 4. adapting the model/conjecture and refutation
- 5. what constitutes a test in various circumstances
- 6. making inferences from a sample/subset of data about the population as a whole
- 7. varieties of story telling















interdependence



interdependence





Probability density function



 $\frac{1}{\sigma\sqrt{2\pi}}e^{-\frac{1}{2}\left(\frac{x-\mu}{\sigma}\right)^2}$

central limit theorem (CLT)

 central limit theorem (CLT) states that, given certain conditions, the mean of a sufficiently large number of <u>independent random</u> <u>variables</u>, each with a well-defined mean and well-defined variance, will be approximately <u>normally distributed</u>.^[1]



GC

Which are strong Which weak???

Examples of each ... Stories... See next













OF SETS









OF SETS









EG APPLIED TO CULTURE