data-ppf.github.io feb 19 2019

lecture 5 of 14: intelligence, causality, and policy

chris wiggins + matt jones, Columbia

observations from students (readings from Slack)

observations from stage

1. description, prediction, and prescription

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- PCA as description

observations from stage

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- ▶ PCA as description
- ▶ PCA as aid to prediction: "matrix methods. . . ."

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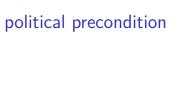- ▶ causality problems
    - ▶ cholera

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2. modeling assumptions: causality and shoe leather

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2. modeling assumptions: causality and shoe leather
3. scientistm: "physics envy"

political precondition

secondary

- Freedman

secondary

- Freedman
- Gould "Instead of continuing ineffectivey to protest that high marks in Greek syntax aer no test as to the capacity of men to command troops or to administer pro vinces, we shall at last actualyl determine the precise accuracy of the various means of measuring General Intelligence" (1904, p. 277). "

primary

- Spearman: "we must venture to hope that the so long missing genuinely scientific foundation for psychology has at last been supplied"

political post-condition

principles (rights, harms, fairness)

data for Thursday

misc notes on readings

- Gould

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- Gould
  - fraud

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- Gould
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    - simpler description

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    - legendre (1805)+gauss (1809): astronomy, known model

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    - footnote 25: "strictly speaking, for 'due to' read 'associate with' "

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    - In many situations, of course, experiments are impractical or unethical.