

Reproducible Analysis Pitch

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In the Context of Clinical Trials or Biomedical Research

Lives depend on high-quality research conducted at universities, pharmaceutical companies, biomedical companies and government research groups.

Up till quite recently no uniform pipeline for ensuring the reproducibility of an analysis was available. This situation has the effect of calling into doubt some analyses in which a great deal of effort may have been invested.

Advantages of a Reproducible Analysis

- Removes the element of subjectivity.
- Reliable results.
- Easily extendible analyses resulting in yet more findings (followup).
- Time need not be wasted to repeatedly call into question results which claim to be ground breaking.

Example of failed analyses

Duke University, Anil Poti, MD

- Cancer trial which incorporated fraudulent techniques and upended and destroyed countless people's lives who were patients or relatives of patients in these trials.

Results of the Potti Case

- Thousands of dollars wasted. Inability to duplicate findings on the part of other researchers.

Update

- Potti is a practicing cancer physician as of this time.