

Title: Psychometrician/Statistician
Req Number: ncs-00030147
Job Type: Regular Full Time
Location(s): Boston MA

Pearson is an international media company with market-leading businesses in education, business information and consumer publishing. Pearson's education business represents about two-thirds of the company, and Penguin publishing and the Financial Times make up the balance. With more than 33,000 employees based in 60 countries, we are a family of businesses that draws on common assets, processes and shares a common purpose: to help our customers live and learn.

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We are looking for a Statistician or a Psychometrician to develop statistical models that would lead to reporting educationally valuable metrics to students and instructors who use our online homework platforms for learning and instruction. This position provides the opportunity to engage in cutting-edge research in the application of statistical models to large educational data sets to draw valid inferences. This is an opportunity to make a substantial contribution to how students learn online.

Responsibilities:

- Develop statistical models/learning algorithms to extract valid inferences about students' learning from messy data.
- Develop algorithms/metrics to extract valid inferences about multipart problems to enhance their educational value.

Requirements:

- Deep understanding of statistics and statistical learning algorithms.
- Experience with the development of Probability Models, Bayesian Networks, Markov Chains, and the application of Robust Statistics for realistic situations.
- Exceptional problem solving skills, willingness to learn new concepts and methodologies as needed, quickly, and be capable of jumping into the deep end of new problem solving scenarios.
- Ability to work in a collaborative, entrepreneurial environment on high impact problems.
- Excellent communication skills.
- Advanced degree in Statistics or Psychometrics or a related technical field.
- Scientific programming experience involving advanced mathematics and data mining experience.
- Interest in human cognition, and teaching and learning will be a plus.

To apply for this position, please go to www.pearsoned.com/careers and apply directly online.