RTI International
Washington, District of Columbia

Job Description

We are seeking a Senior Research Scientist with AI and Machine Learning expertise; someone who has passion for building and improving processes informed by data. Our ideal candidate will create and engineer innovative methodologies and implement “start to end” AI solutions for extracting and translating socio-economic data in real time. Our ideal candidate possesses strong analytic and presentation skills; successfully executes and leads projects; is visionary but masters details; and is a flexible and innovative developer, implementing fast workable solutions to complex problems.

Responsibilities

- Create innovative methodologies and implement start to end artificial intelligence solutions for extracting and translating socio-economic data in real time.
- Develop and apply machine learning/deep learning, NLP algorithms and AI methodologies to various areas of predictions and analytics, estimation, optimization, classifications and clustering.
- Leverage large sets of structured and unstructured data to derive analytic data content, with the development of AI derived analytical solutions to correct for incomplete data structures.
- Engage in ongoing collaborations with statisticians, methodologists, data scientists and substantive experts

Qualifications

- PhD in fields such as Computer Science, Machine Learning, Statistics, Predictive Analytics, Engineering, etc. with at least 8 years of experience or a Masters’ with 12 years of experience in application, development and validation of machine learning, deep learning and artificial intelligence to real customer and business problems
- Experience with advanced statistical methods (e.g., matching, predictive modeling, cluster analysis, etc.)
- Programming skills with open source software languages (Python, C#, Java, R, Scala, etc.)

Preferred Qualifications

- Experience with estimation and analysis of data derived from large data sets
- Programming skills with big-data open source stack (Hadoop, spark, storm, and map-reduce, etc.).
- Programming skills with machine learning/deep learning packages (Tensor Flow, Caffe, open CV., etc.).
- Programming skills with relational and NoSQL databases.
- Flexible and independent developer, implementing fast workable solutions

link  http://m.rfer.us/RTIR0hGz