MANISH JHA

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Education

Ph.D. Finance, **Washington University in St. Louis**, 2016 – present
Bachelors in Technology (Chemical Engineering), **Indian Institute of Technology Kanpur**, 2012

MOOC: **Deep Learning, Tensorflow, Text Analysis, Natural Language Processing**
Financial Risk Manager (FRM) Certified
Chartered Financial Analyst (CFA): Level 2
Institute of Actuaries of India: Mathematics & Statistics, Business Economics

Employment

Hongkong and Shanghai Banking Corporation (HSBC): Sovereign Bond Analyst, 2014 – 2016
Reliance Industries: Options Trader, 2012 – 2014
Tata Steel: Research Intern, 2011

Working Papers

What do boards say about executive compensation?
with Radhakrishnan Gopalan, Washington University
Compensation contracts incentivize and retain executives. However, the roles played by these factors have different theoretical repercussions for executive pay. Using natural language processing and unsupervised machine learning we extract these features from SEC filings and test how these motives play out in observed compensation contracts. We are currently looking at how well the scores predict theoretical findings in compensation literature.

Retention Concern Impact on Investment and Compensation Design
I begin with a simple principal-agent model where the firm gains from project return and managers effort. However, the gain from the two sources is indistinguishable. This gives the manager an opportunity to under-report project's return and put in less effort. To combat this moral hazard, the firm uses reported return based pay, which generates under-investment. In the extended model, I include manager's choice to pursue project outside the firm environment. The under-investment subsides in part and there are higher overall pay and the use of stock options.

Market Value of Researchers
with Radhakrishnan Gopalan, Washington University
We study the impact of inventor's movement on the market value of the firm. Subsequently, we explore the best measure of inventor's output, in terms of patents and citations. Using Selenium and Google's TensorFlow, we scrape the web and look for relevant news. Currently, the project is at data collection phase.

Awards & Fellowships

State rank one, All India Engineering Entrance Exam
Team ranked one in Euromoney Award for Excellence, Fixed Income Research

Volunteer Work

Tutor: Each One Teach One (KIPP Victory, St. Louis)
Volunteer: Gateway Pet Guardians (St. Louis)
Teacher: HSBC Financial Skills Exchange Program (Bangalore)