DS/AI Session
 @ Amity University



AGENDA



- About Me
- An Interesting Story
- Importance of DS/AI
- Few Definitions
- Various Terminologies
- Interdisciplinary Field
- Types of Machine Learning

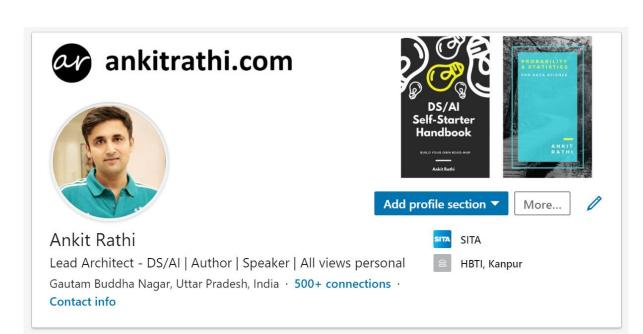


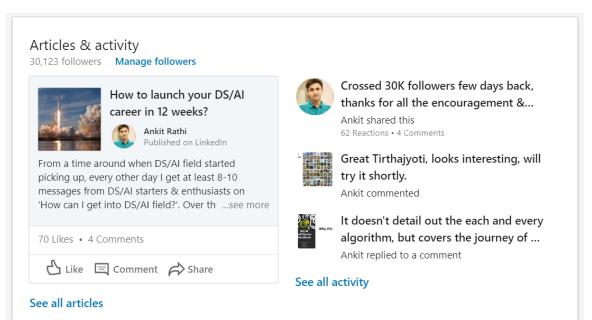
- From Al to Deep Learning
- Typical DS/AI Lifecycle
- Industry Applications
- My Past & Current Projects
- Job Opportunities
- How to Get into DS/AI?

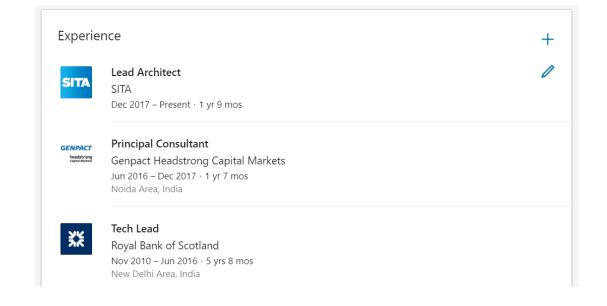


About Me









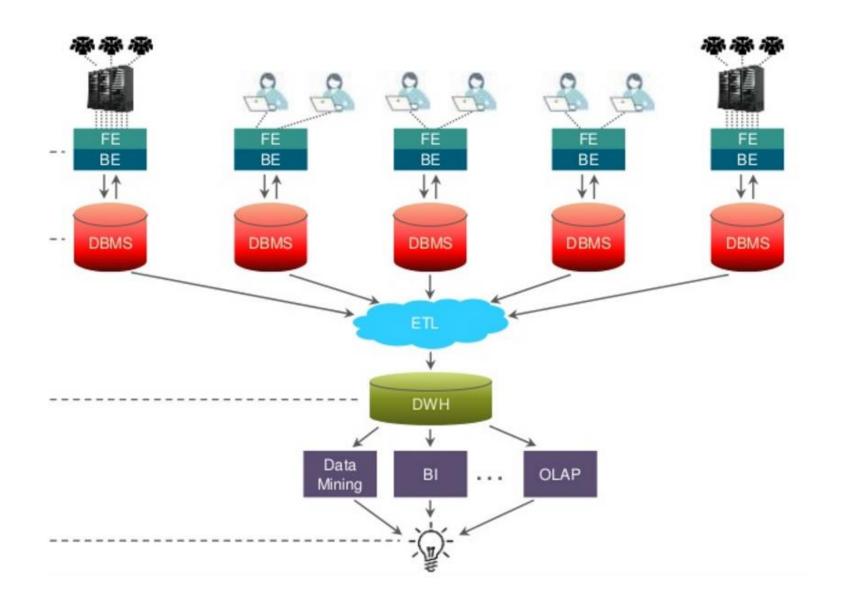


- 14+ years in Data & Analytics
- Currently working in SITA
- Worked on DBs/ETL/DWH/BI
- Transitioned into DS/AI in 2014
- Infusing intelligence in products
- Blogger, Author & Speaker



Let me start with a story...







Data Scientist: The Sexiest Job of the 21st Century

by Thomas H. Davenport and D.J. Patil

FROM THE OCTOBER 2012 ISSUE





Created by:



Andrew Ng

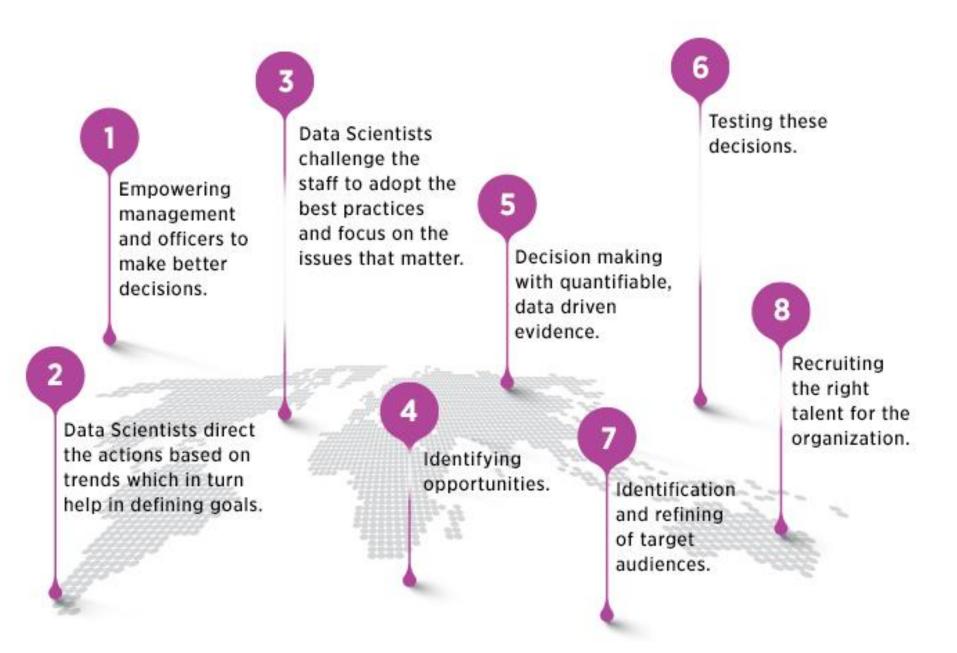
American computer scientist





Importance of DS/AI





Few Definitions



Machine Learning is the field of study that gives computers the ability to learn without being explicitly programmed.

— Arthur Samuel, 1959

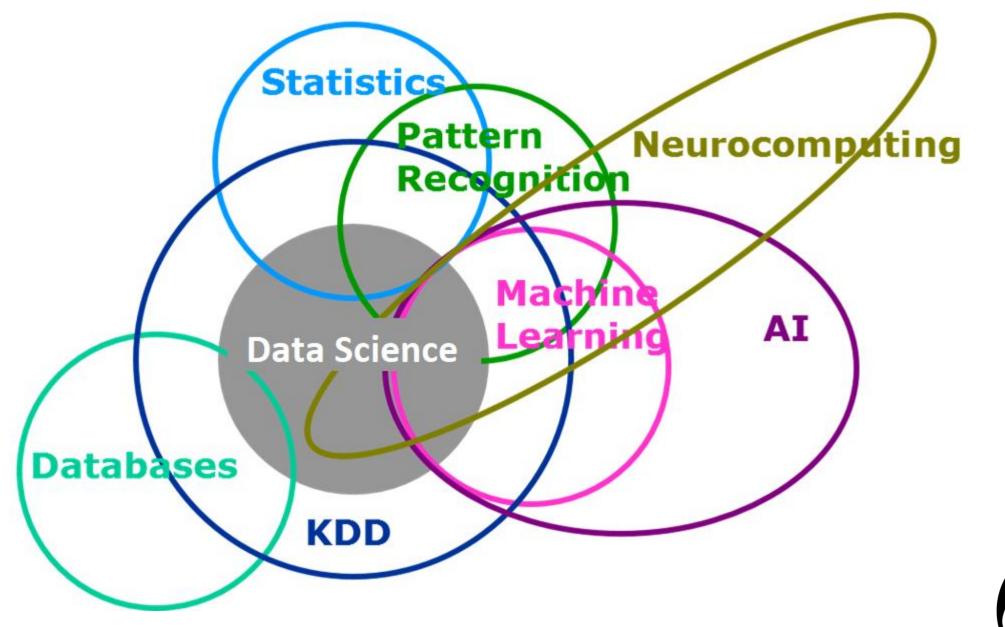
A computer program is said to learn from experience E with respect to some task T and some performance measure P, if its performance on T, as measured by P, improves with experience E.

— Tom Mitchell, 1997



Various Terminologies

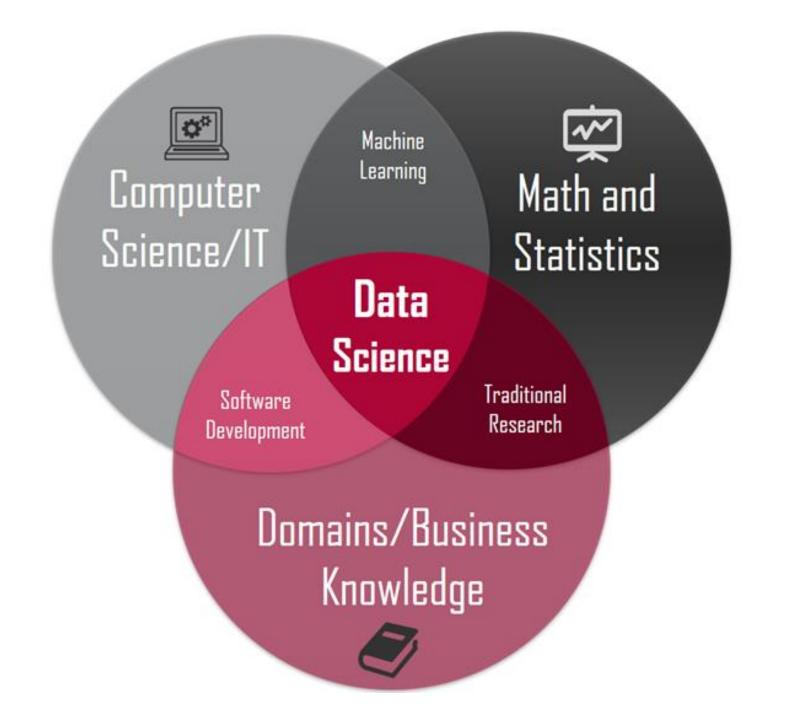






Interdisciplinary Field

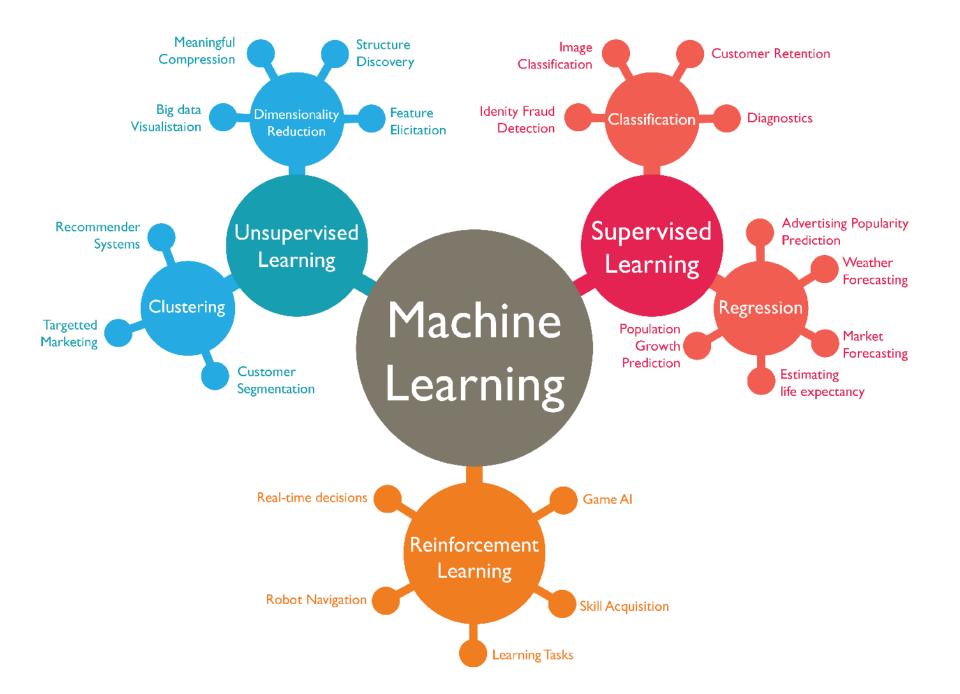






Types of Machine Learning

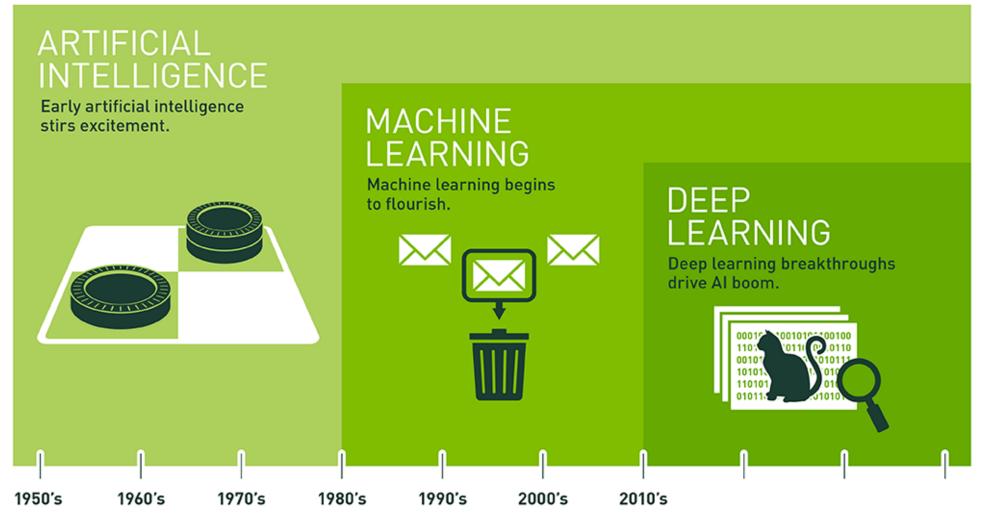






From Al to Deep Learning

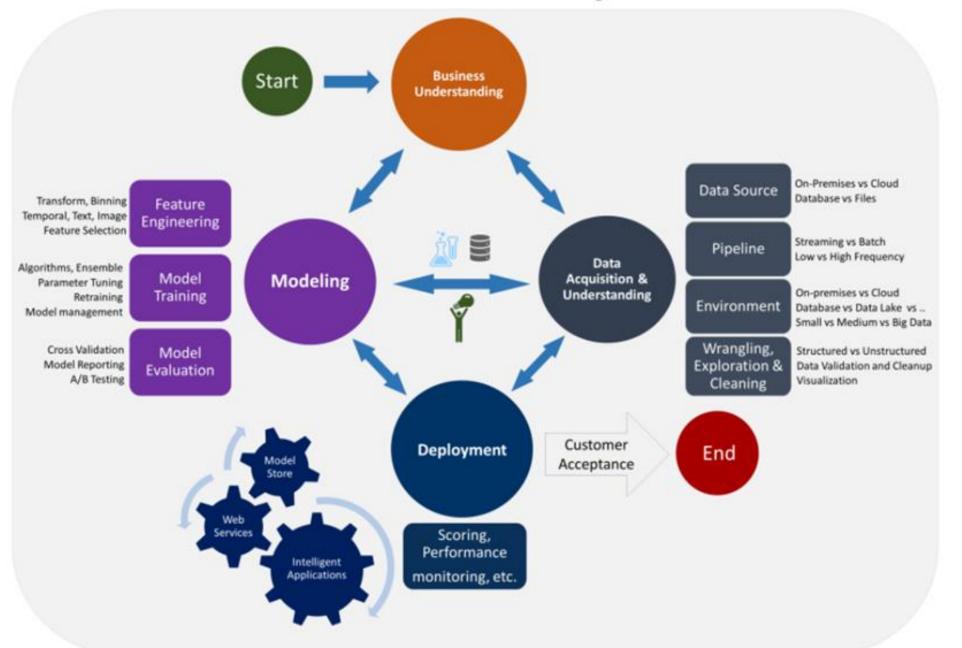






Typical DS/AI Lifecycle

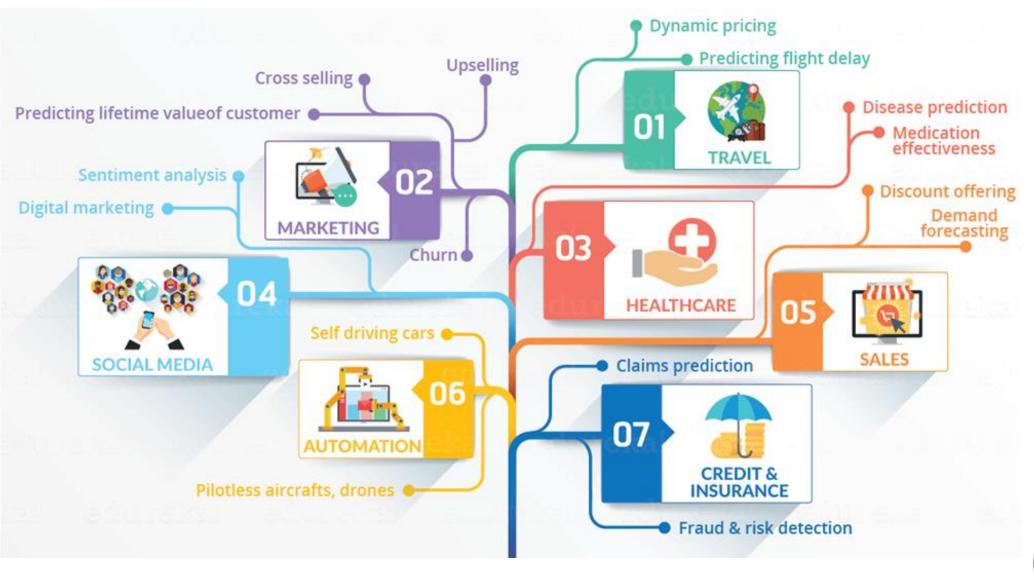






Industry Applications







My Past & Current Projects

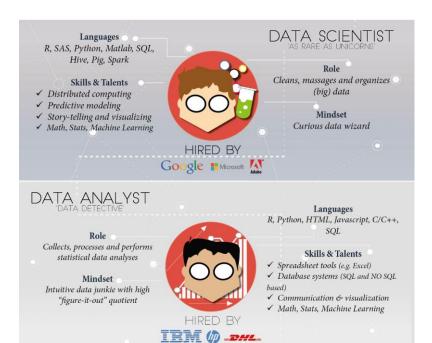


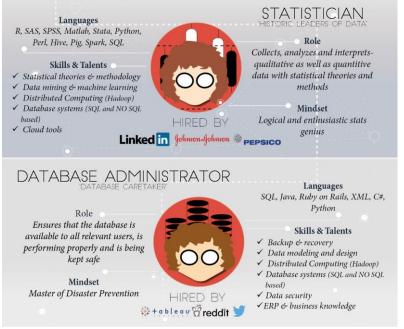
- Market-Basket Analysis [Mortgages Vs Credit Card]
- ML on Client Screening in AML
- Recommendation System for Operations
- Forecasting Dashboard for Executives
- Recommendation System for Immigration
- Flight Delays Prediction
- Stand Allocation Recommendation
- Turn-around Time Prediction

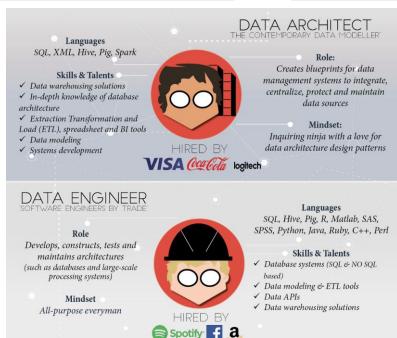


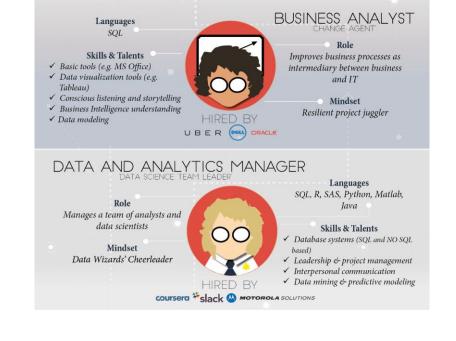
Job Opportunities







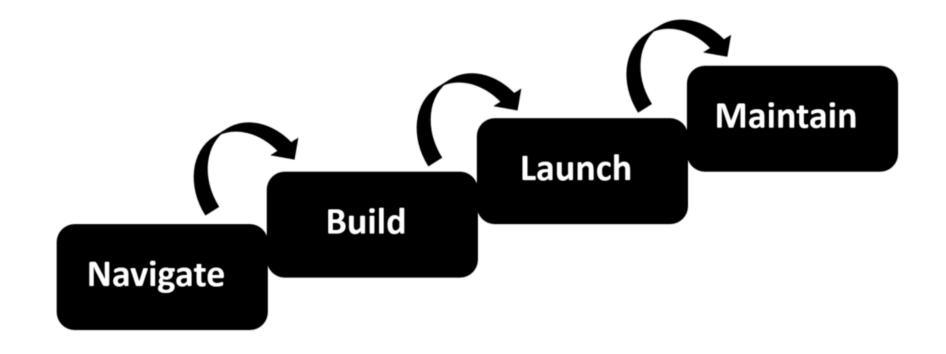






How to Get into DS/AI?

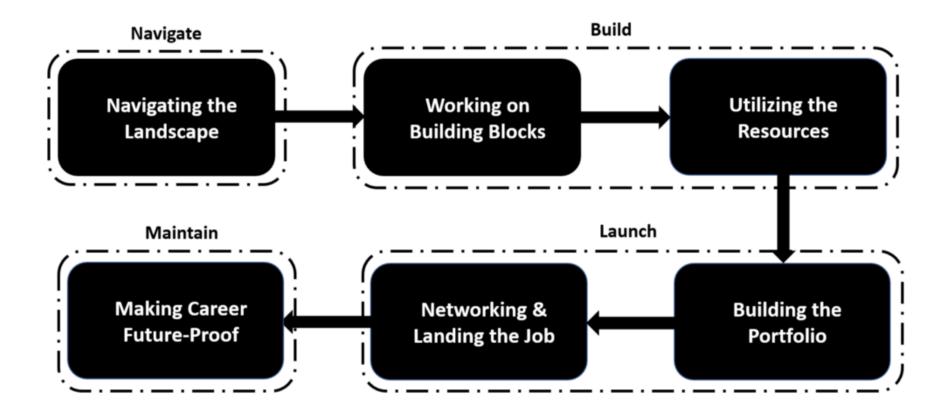




The Learning Framework

DS/AI: Self-Starter Kit





Understanding the Big Picture

DS/AI: Self-Starter Kit





DS/AI Self-Starter Handbook

BUILD YOUR OWN ROAD-MAP

Ankit Rathi









ankitrathi.com

