The Data Team

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Data science is a team sport



Data engineer Data architecture Data infrastructure

http://ww1.prweb.com/prfiles/2012/08/10/9790635/EngineerDataCenter.jpg

Data science Data cleaning Data analysis and communication

MODERN DATA SCIENTIST

Data Scientist, the sexiest job of the 21th century, requires a mixture of multidisciplinary skills ranging from an intersection of mathematics, statistics, computer science, communication and business. Finding a data scientist is hard. Finding people who understand who a data scientist is, is equally hard. So here is a little cheat sheet on who the modern data scientist really is.

MATH & STATISTICS

- ☆ Machine learning
- ☆ Statistical modeling
- ☆ Experiment design
- ☆ Bavesian inference
- ☆ Supervised learning: decision trees.
- ☆ Unsupervised learning: clustering. dimensionality reduction
- ☆ Optimization: gradient descent and



PROGRAMMING & DATABASE

- ☆ Statistical computing packages, e.g., R
- ☆ Databases: SOL and NoSOL
- ☆ Relational algebra
- ☆ Parallel databases and parallel query
- ☆ ManReduce concepts
- ☆ Hadoop and Hive/Pig
- ☆ Experience with xaaS like AWS

COMMUNICATION & VISUALIZATION

- ☆ Able to engage with senior
- ☆ Story telling skills
- ☆ Translate data-driven insights into decisions and actions
- ☆ Visual art design
- ☆ R packages like ggplot or lattice
- ☆ Knowledge of any of visualization tools e.g. Flare, D3.js. Tableau

☆ Passionate about the business ☆ Curious about data ☆ Influence without authority

& SOFT SKILLS

☆ Hacker mindset

☆ Problem solver

☆ Strategic, proactive, creative. innovative and collaborative

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http://www.marketingdistillery.com/2014/11/29/is-data-science-a-buzz word-modern-data-scientist-defined/

Data team management



How they work together

