Data Science Perspectives

at
Salzburg University of Applied Sciences

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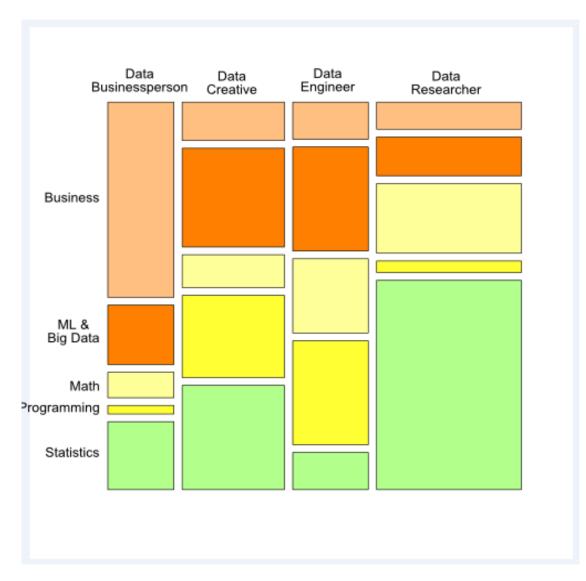
Data Science Skills

Harris, Murphy & Vaisman, "Analyzing the Analyzers", O'Reilly, 2013

Data Science Skill Groups

Survey of 250+ Data Scientists.

"We used the technique of non-negative matrix factorization to find five underlying dimensions of variation among the rankings. We found that Data Scientists have skills that tend to be associated together, and by grouping those skills, we can provide people with a useful shorthand. Here are the skills groups, with category names that we think clarify what we as Data Scientists bring to the table."

- Harris, Murphy & Vaisman, 2012

http://datacommunitydc.org/blog/2012/08/data-scientists-survey-results-teaser/

Personal Recommendations

SALZBURGER DS 2014 DATA SCIENCE SYMPOSIUM

Engagement with the Data Science Community

Take a leading role in the Austrian and European Data Science arena:
Events, Conferences, Challenges, Meetups, etc.
Engage with the regional and international community.

Education

Integrate Data Science and "Big Data" in existing Master's Program.
Consider a complete Master's Degree offering "Data Science".
Work towards Austrian, European and international educational standards
for Data Science.

Continuing Education

Develop an attractive offering for businesses looking to acquire Data
Science expertise.
Look for regional and international partners.

Research

Organize research projects, embedded in a network of data science
research institutes and industry partners.

Conclusion SDSS 2014

Have a safe trip home!