

# Bridging The Gap: From Science To Data Science

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DATA SCIENTIST AND COMMUNITY MANAGER

#DS\_TALK

# This is about you

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# Have you met Deepak?

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Undergraduate – University of Sheffield  
(Mathematics and Astronomy)

PhD – Keele University (Astrophysics- Exoplanets atmospheres)

S2DS March 2016

Insight Analyst – Inspired Entertainment Inc.

Now – Data Scientist and Community Manager at  
Pivigo

# The Age of Data

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# Why should you be interested?

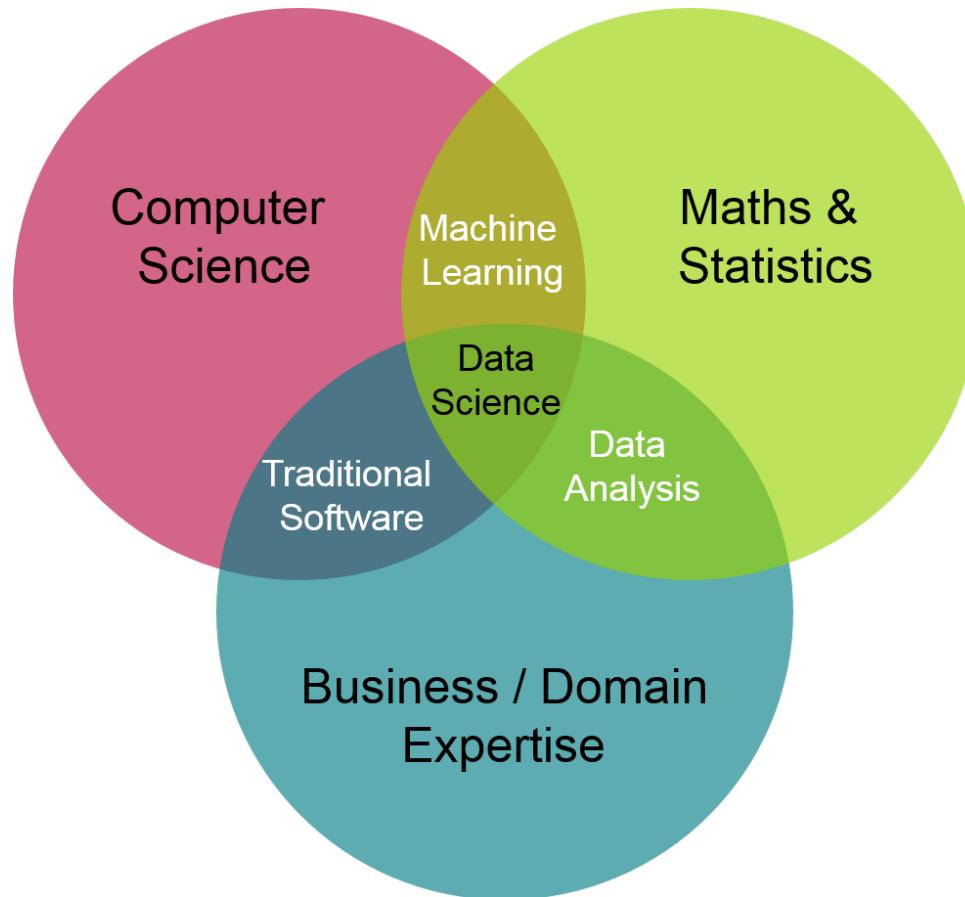
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- Easy career transition
- Huge demand for people over the coming decade
- Salaries are high
- Exciting, vibrant atmosphere
- Understand how your own data is being used
- Tools and techniques can be useful in your science work etc. etc.



# What is Data Science?

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# What is a data scientist?



((Josh Wills))  
@josh\_wills



Follow

Data Scientist (n.): Person who is better at statistics than any software engineer and better at software engineering than any statistician.

RETWEETS  
1,501

LIKES  
1,074



# Why I chose data science

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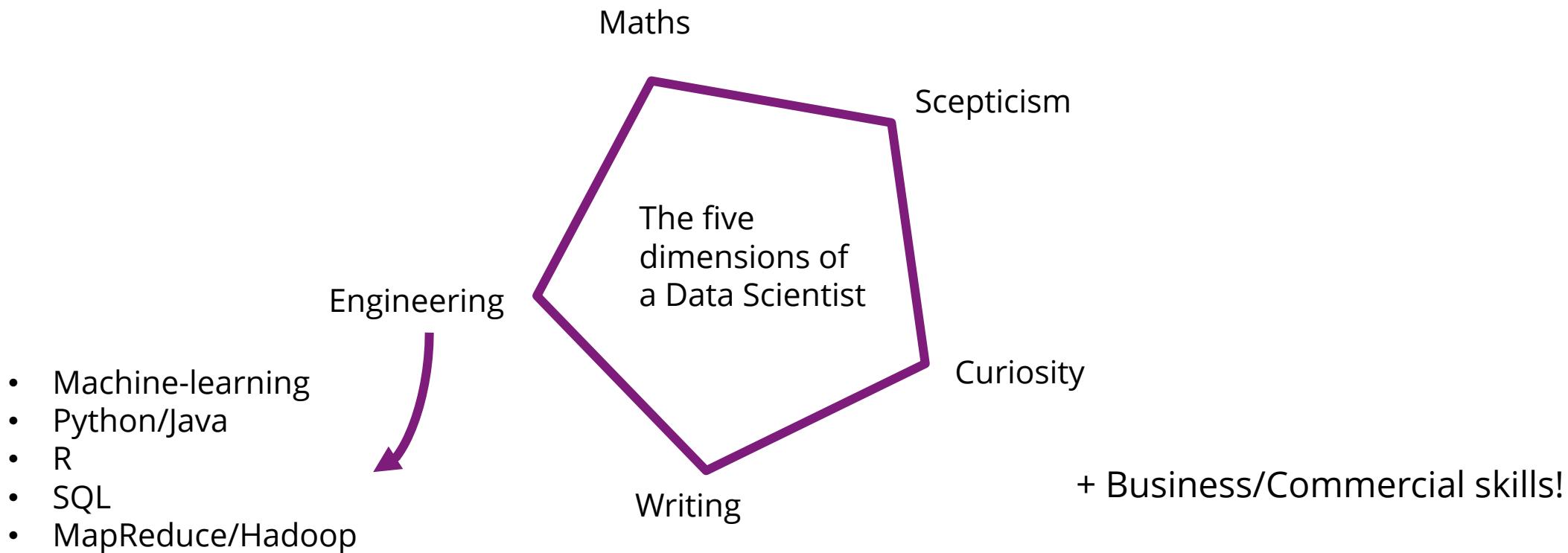


# How to Become a Data Scientist?

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90%

# What skills are needed?



# Who are we?

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# Up-Skill

The screenshot shows the pivigo.com website interface. At the top, there is a navigation bar with links for Home, For Businesses, For Data Scientists, Case Studies, About, Blog, Contact, and a user icon. Below the navigation bar is a search bar with the placeholder "Type here to search" and an "Extended search" link. To the right of the search bar are buttons for "Order By" (Recent first, Popular first), a magnifying glass icon, and a green "Add resource" button. The main content area is divided into four columns: General, Careers, Python, and R. The R column is currently expanded, showing sub-categories like R packages, Databases, Statistics, Machine Learning, NLP, and AI, along with books such as "R for Data Science" and "Advanced R". Each category or book entry includes a star rating and a "Go" button.

# Science to Data Science

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Science to Data Science

- 5 week programme
- Work in teams of 3 - 4 on real data science projects
- Partner with a company on a real project
- Get recruited into a data science role!

# Science to Data Science (S2DS)



M&S  
EST. 1884

Royal Mail

KPMG



British Gas

HAL  
24K

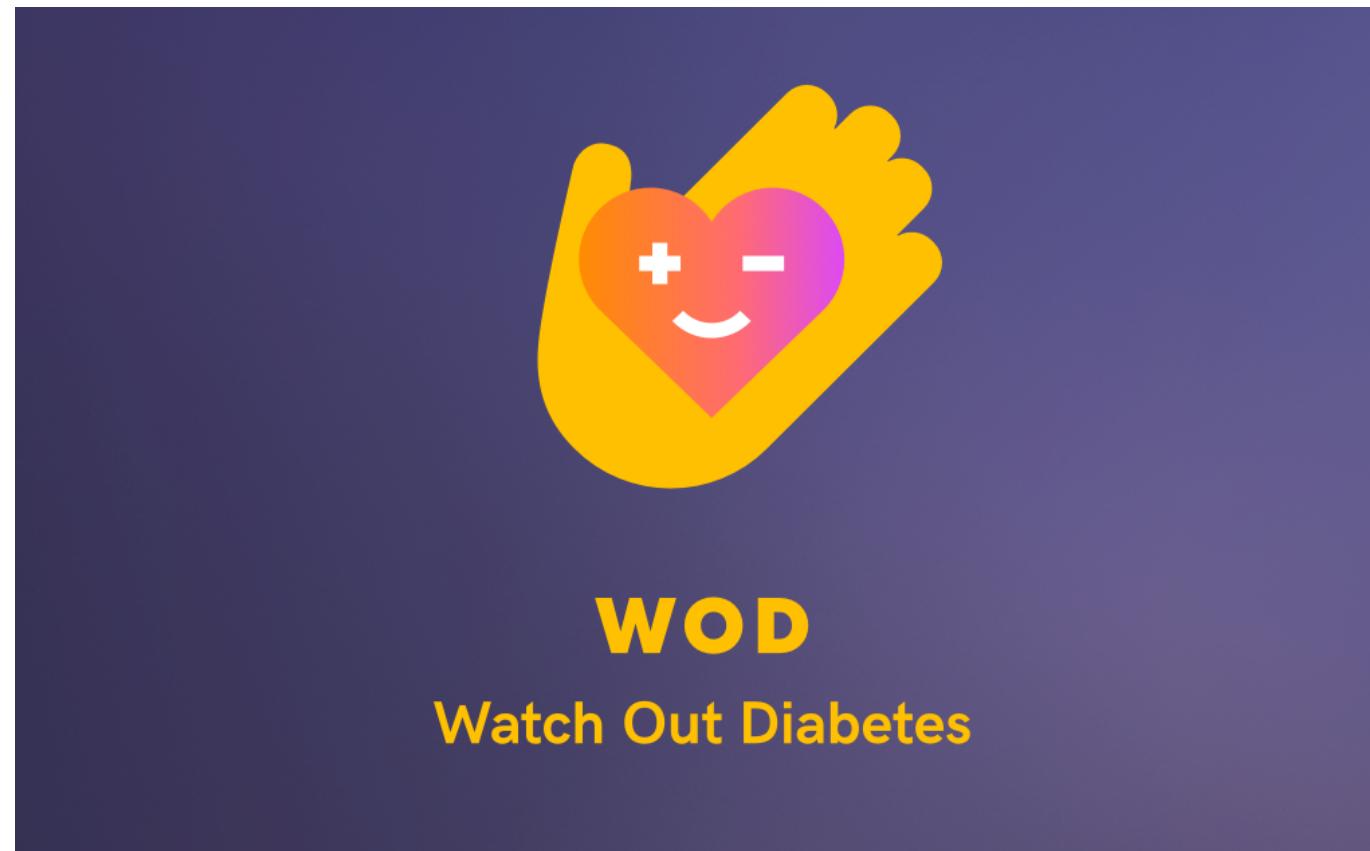
Data Intelligence Labs



BARCLAYS

# Example: Watchout Diabetes

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# Example: Row Analytics

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# The Marketplace: Data Science on Demand

**JustGiving** Smart Pages for social giving  
Just Giving  
Social giving is about raising awareness and donating to good causes. Data Science can help understand the height of willingness to give. The next step in using data in social giving is understanding a) which images should be recommended that will influence a network of potential donors to give, b) which content (the storytelling, the what, the where, the why, the use of language) should be recommended that will influence a network of potential donors, c) when to update the network with key information. This project will help good causes increase awareness, spread the good message and raise more donations; a challenging project, an innovative project, a unique project, the one project that matters for all good causes.

Posted: 2017-01-19      Location: London  
Starts: 2017-02-20      Required skills: Machine Learning, Python, SQL  
Duration: 5 weeks  
Rate: up to 250 GBP per day (depending on experience)

4.5 charity [Apply](#)

**CAPCO** Data Feed Analysis  
Capco  
Banks typically contain large numbers of data sources, often with overlaps in where data is mastered and modified. Typically this results in data quality problems which lead to numerous issues from incorrect regulatory reporting, invalid risk assessments, through to the inability to provide or enhance products and services. To date, banks have dealt with these issues using traditional data modelling tools/approaches coupled with periodic data cleanup exercises. Our PoC centres on automated analysis of the vast number of data feeds to understand how data flows through the organisation, how/where it is modified, where the error hotspots are, where duplication exists etc. thus enabling banks to identify where they should focus their efforts to resolve issues.

Posted: 2017-01-19      Location: London  
Starts: 2017-02-20      Required skills: Neo4j, Data Modelling, SQL  
Duration: 8 weeks  
Rate: up to 300 GBP per day (depending on experience)

4.2 Financial Services, Data Analysis, Data Quality, Banking [Apply](#)

# We don't bite, lets keep in touch!

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- Feel free to ask questions anytime



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# Thank you for your time!



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