



European Master in
Building Information Modelling

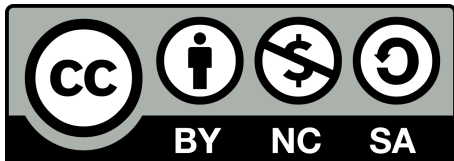
Data science

Topic 2: Fundamentals of programming

BIM A+3: Parametric Modelling in BIM

Matevž Dolenc

Univerza v Ljubljani



© 2019 by authors

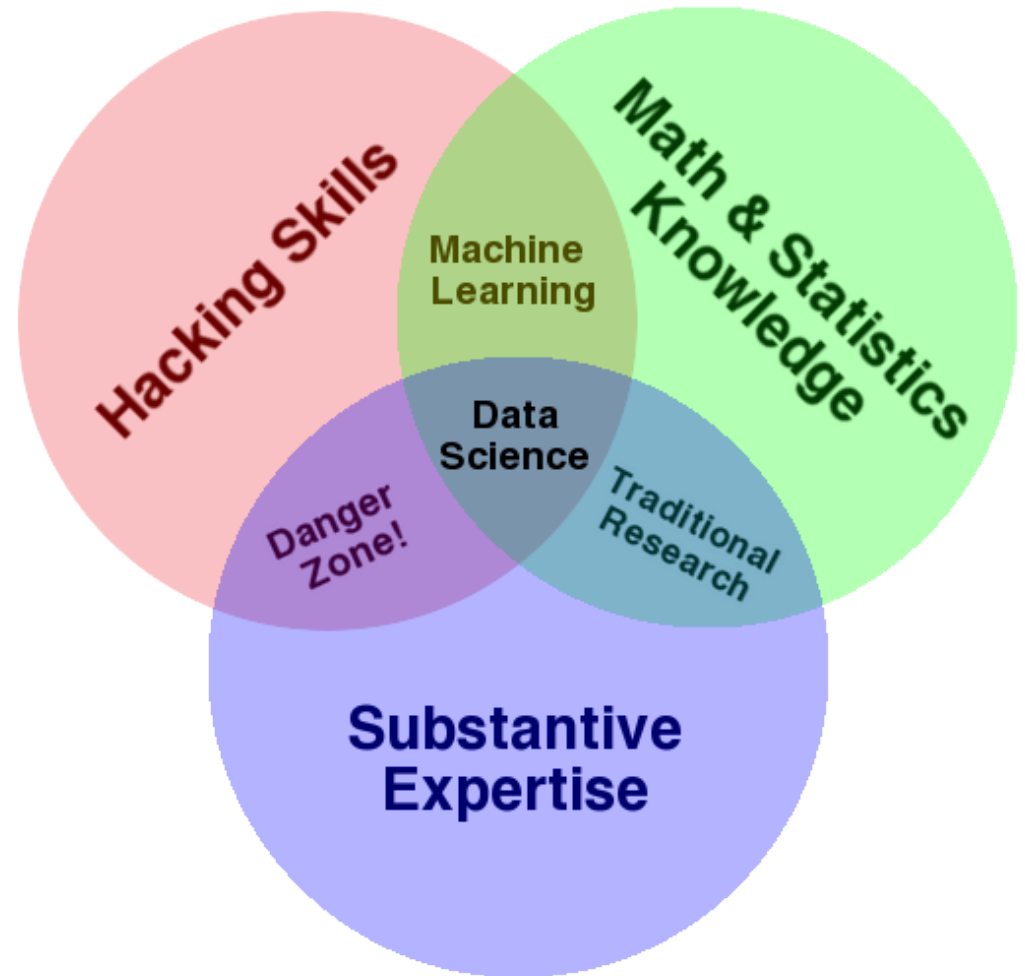
This work is licensed under a [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-nc-sa/4.0/).

Hacking (Programming)

+ Maths/Statistics

+ Domain Knowledge

= **Data Science**



The Data Science Venn Diagram, <http://drewconway.com/zia/2013/3/26/the-data-science-venn-diagram>

A data scientist is simply a scientist living in 2020 and beyond

A data scientist is simply a scientist living in 2020 and beyond

write code

understand statistics

derive insights from

A data scientist is simply a scientist living in 2020 and beyond

write code

- = in Python, R, MATLAB, SQL, ...
- = for data storage, querying, summarisation, validation, ...
- = how efficiently and in time
- = where on databases, on cloud, servers, ...

and understand enough statistics

to derive insights from data

so you can make decisions