OPEN CODING CLUB

Mon,Feb 08th

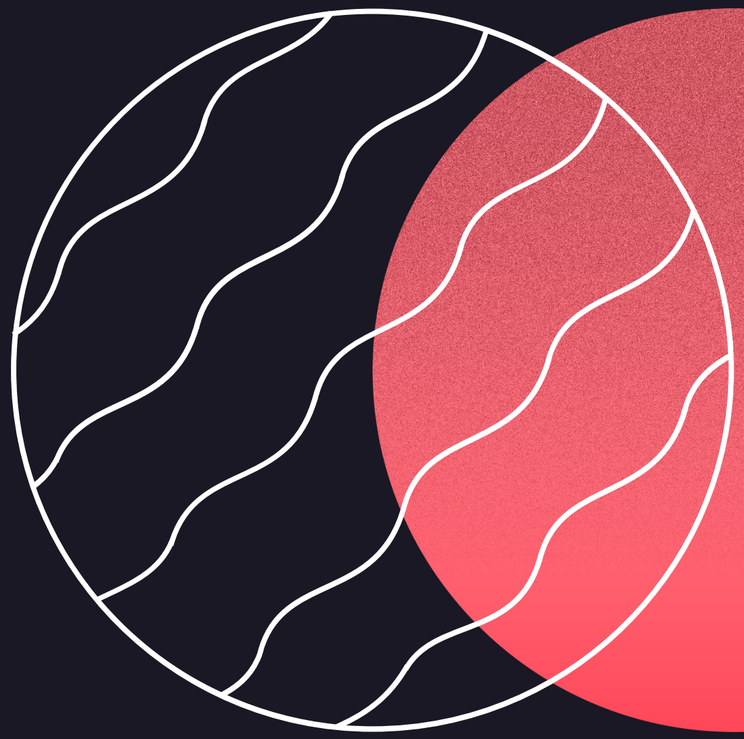
20[00]

Abdelhakim Azzouz

Data Science Roadmap

software engineering student and a full-stack developer,
Ux Designer and Content Creator.

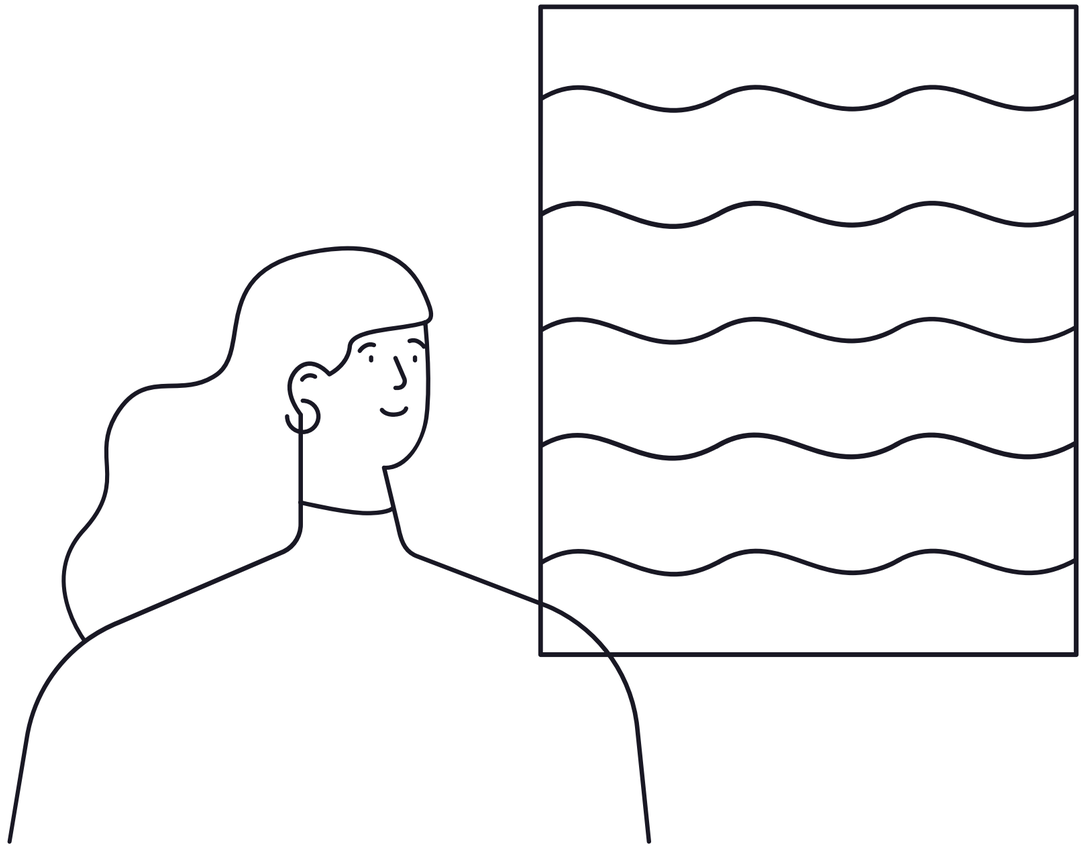
In order to be successful in that business, you have to have great predictions, Great predictions begin with one imperative: You need a lot of data.

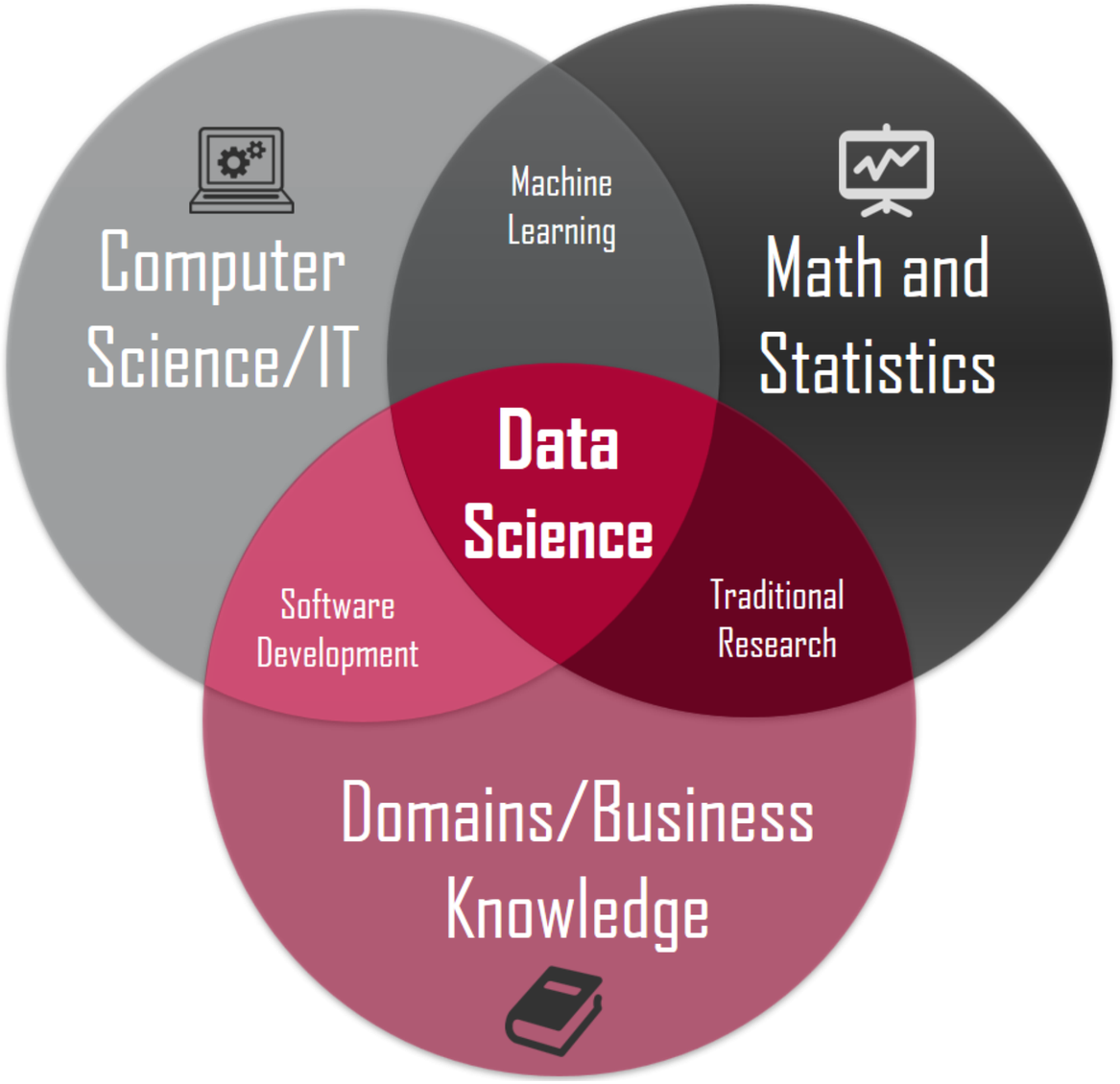


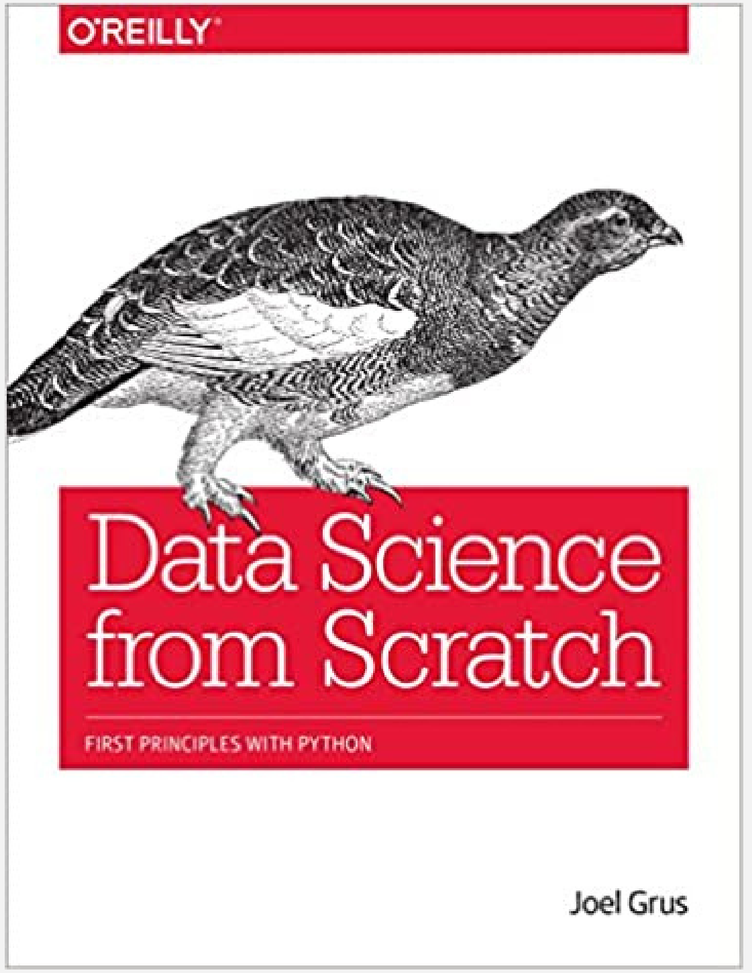
Data Science RoadMap

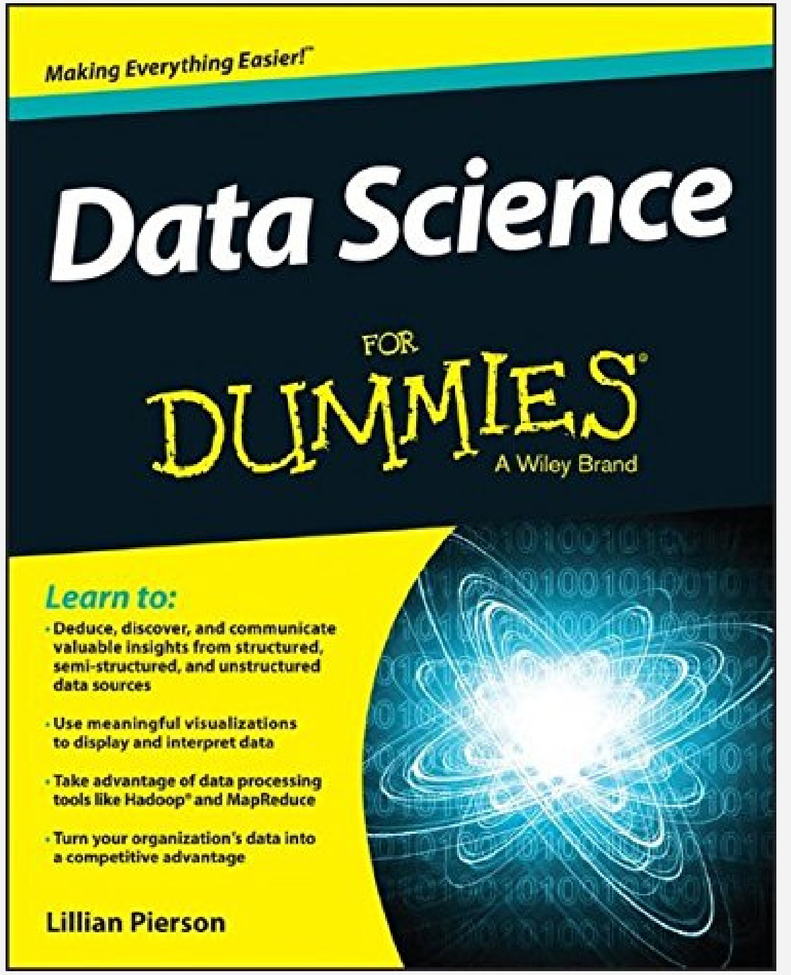
What's Data Science?

Introduction

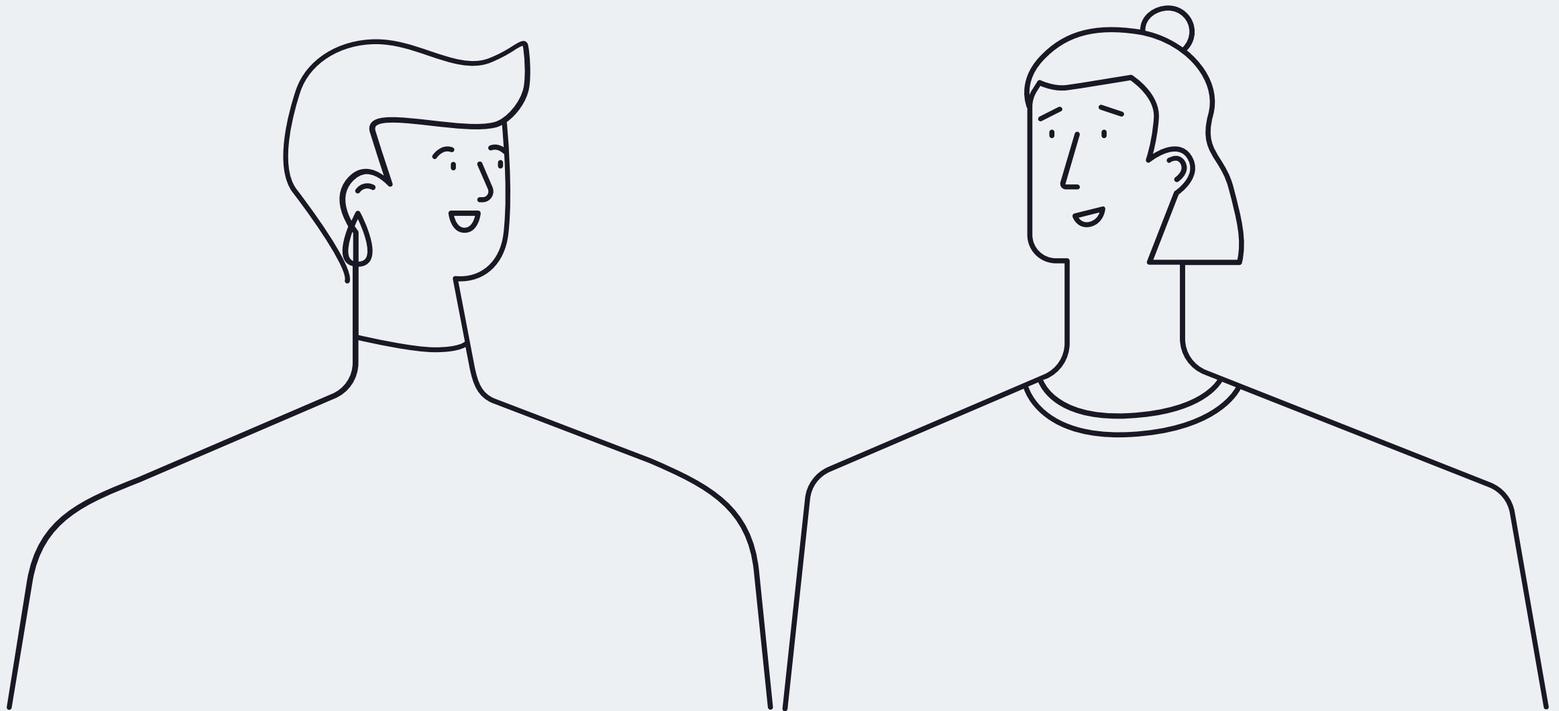



Computer Science/IT
Machine Learning
Math and Statistics
Data Science
Software Development
Traditional Research
Domains/Business Knowledge


O'REILLY
Data Science from Scratch
FIRST PRINCIPLES WITH PYTHON
Joel Grus

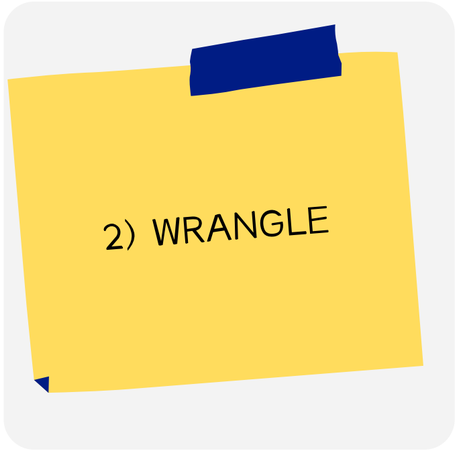

Making Everything Easier!
Data Science
FOR DUMMIES
A Wiley Brand
Learn to:
Deduce, discover, and communicate valuable insights from structured, semi-structured, and unstructured data sources
Use meaningful visualizations to display and interpret data
Take advantage of data processing tools like Hadoop® and MapReduce
Turn your organization's data into a competitive advantage
Lillian Pierson

DATA ANALYTICS VS ANALYSIS

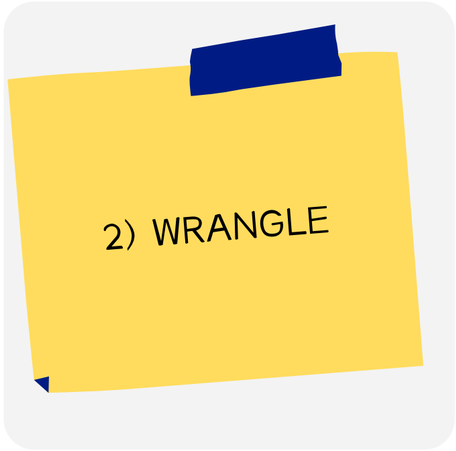


Data Scientist Steps

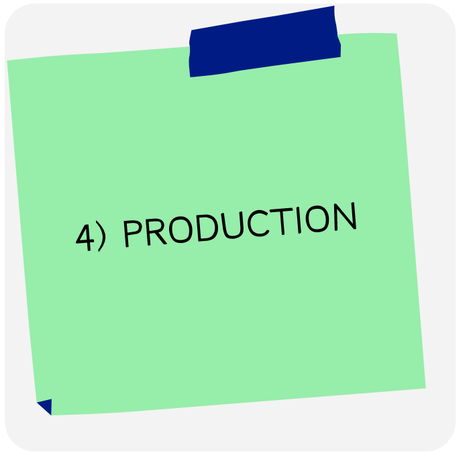
Data Scientist Steps



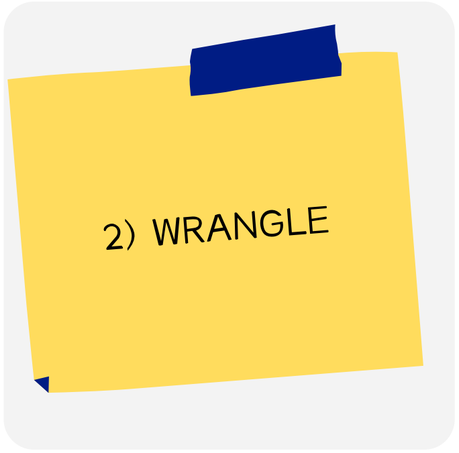
Data Scientist Steps

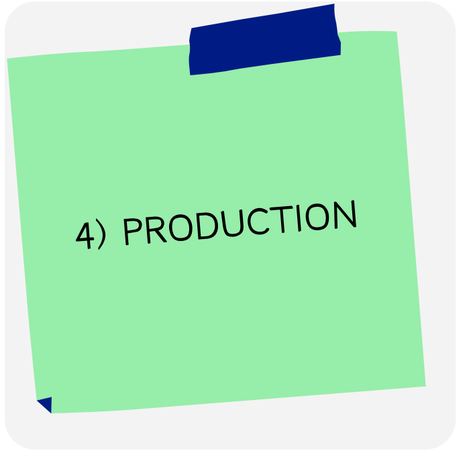


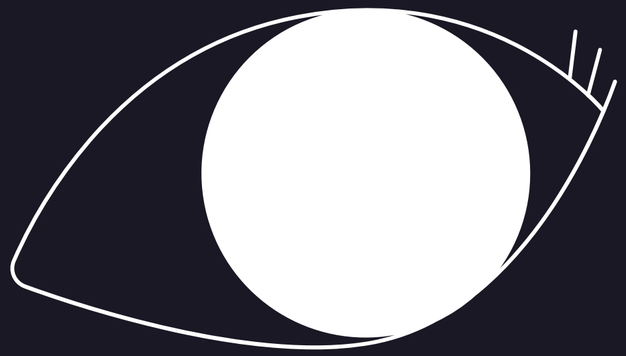
Data Scientist Steps



Data Scientist Steps

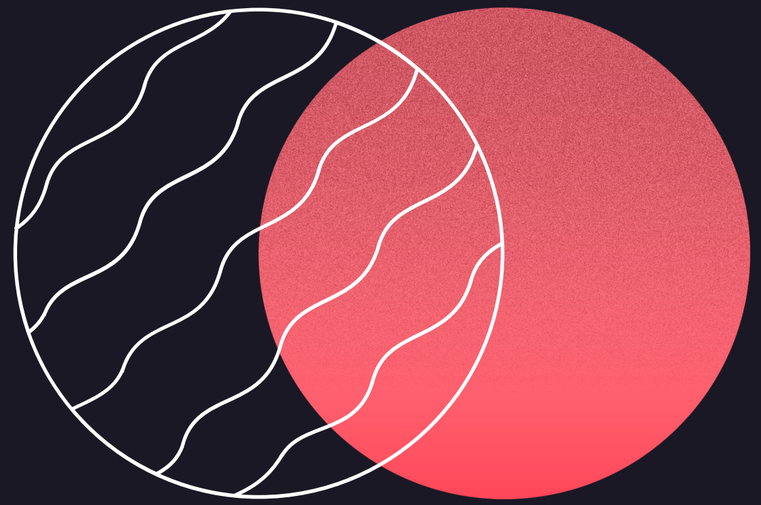






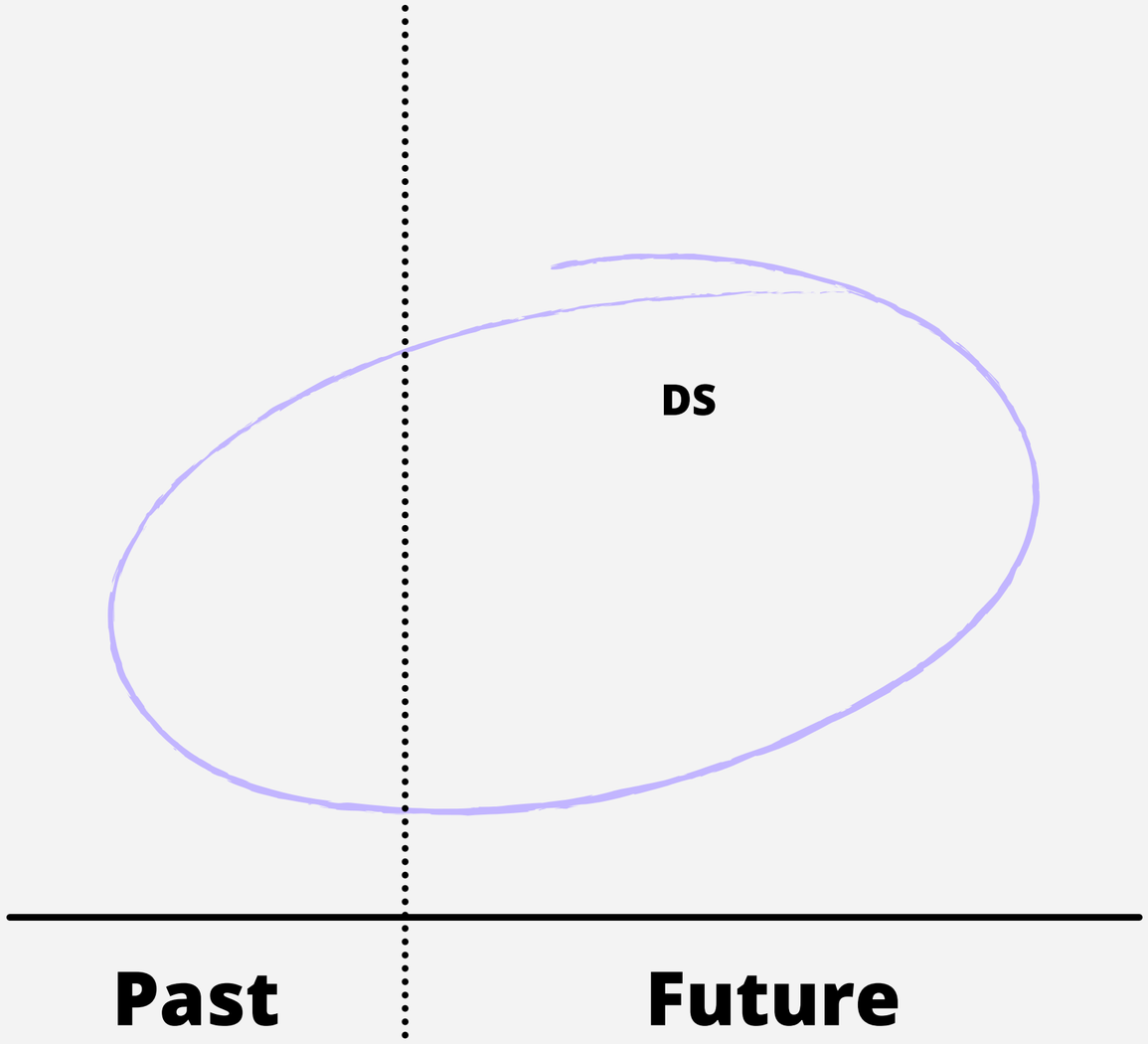
DATA VISUALIZATION

https://www.data-to-viz.com/



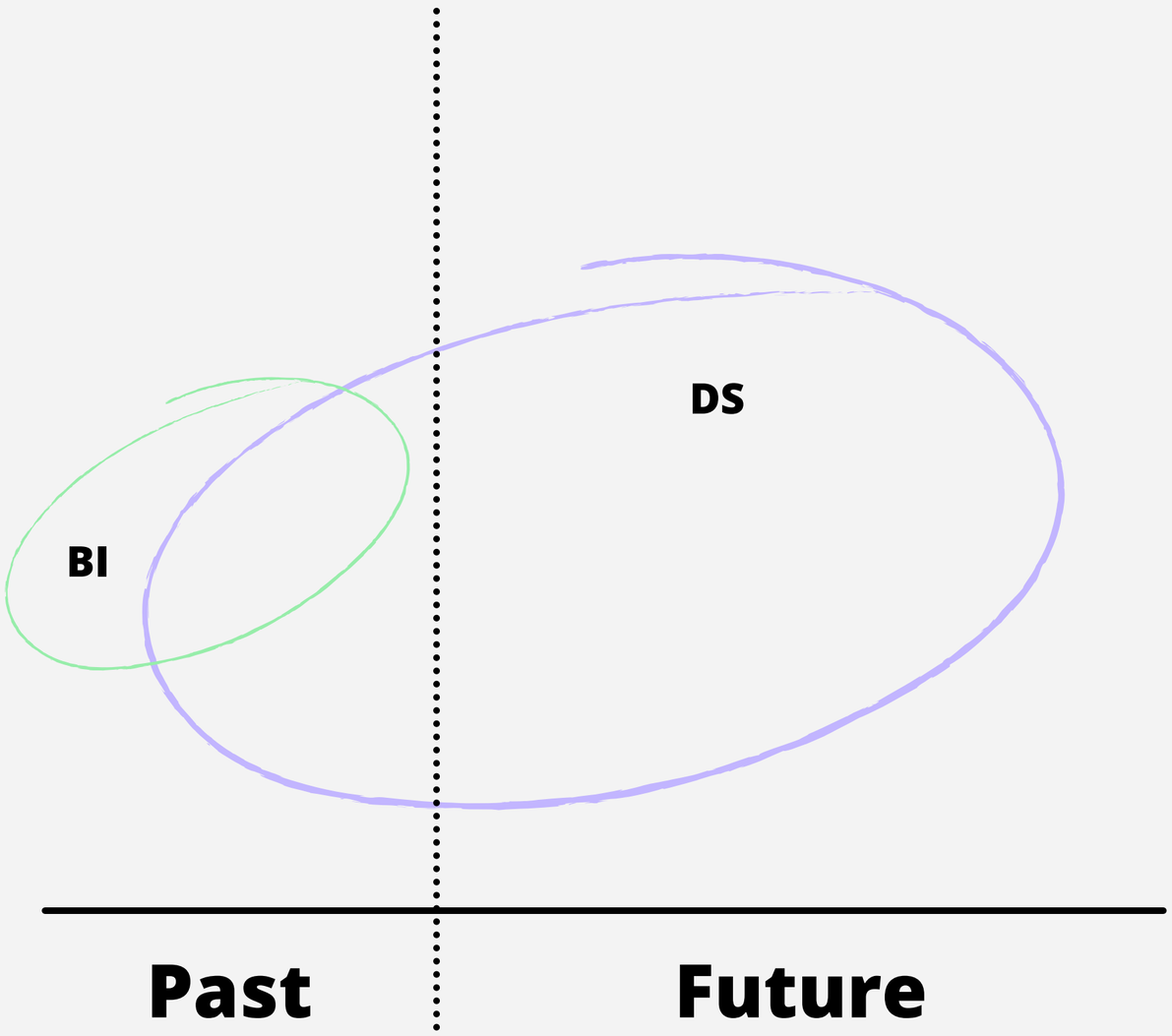
DATA SCIENCE RELATED FIELDS

1 Data Science


DS
Past
Future

1. Data Science

2. Business Intelligence


DS
BI
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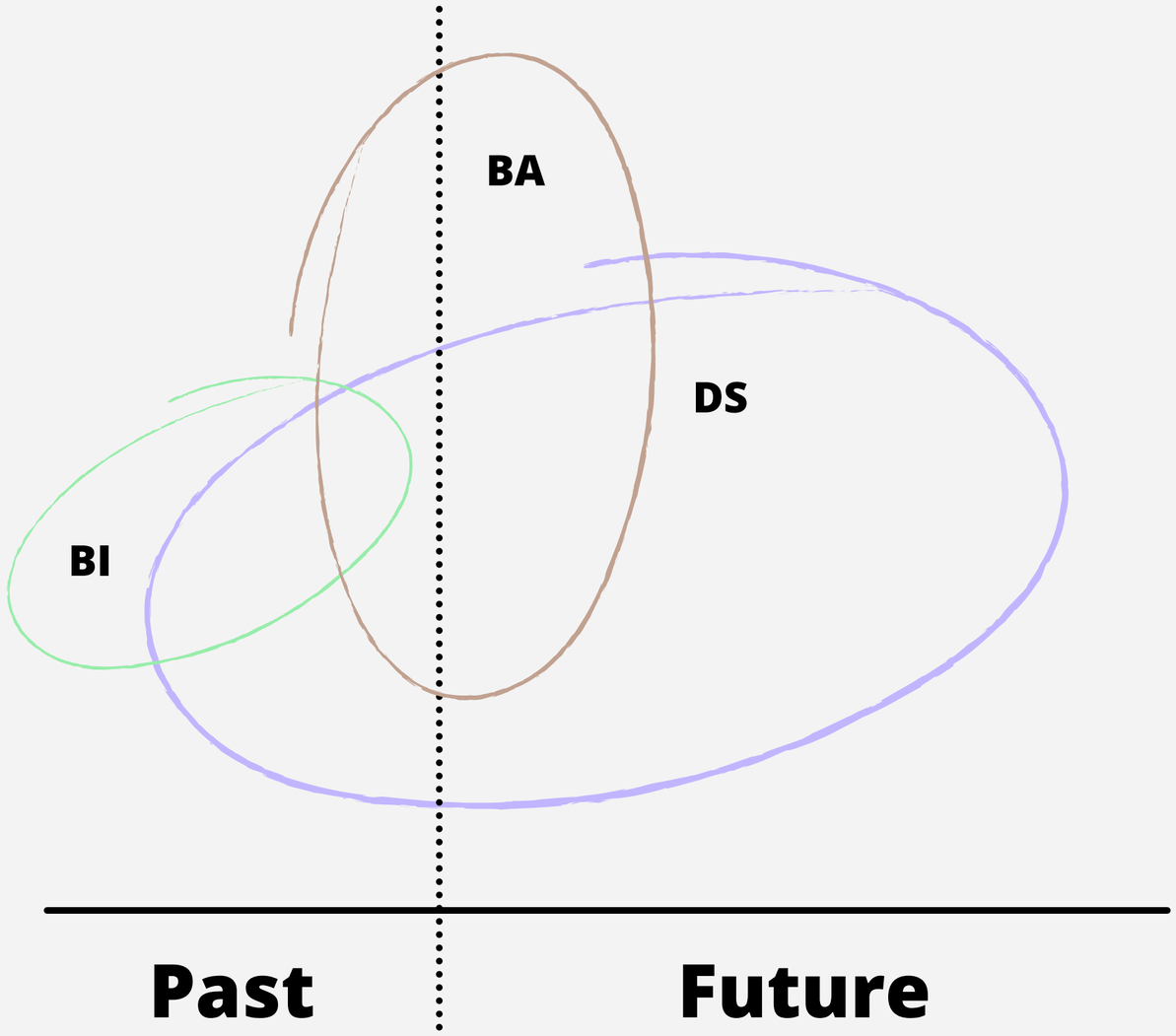
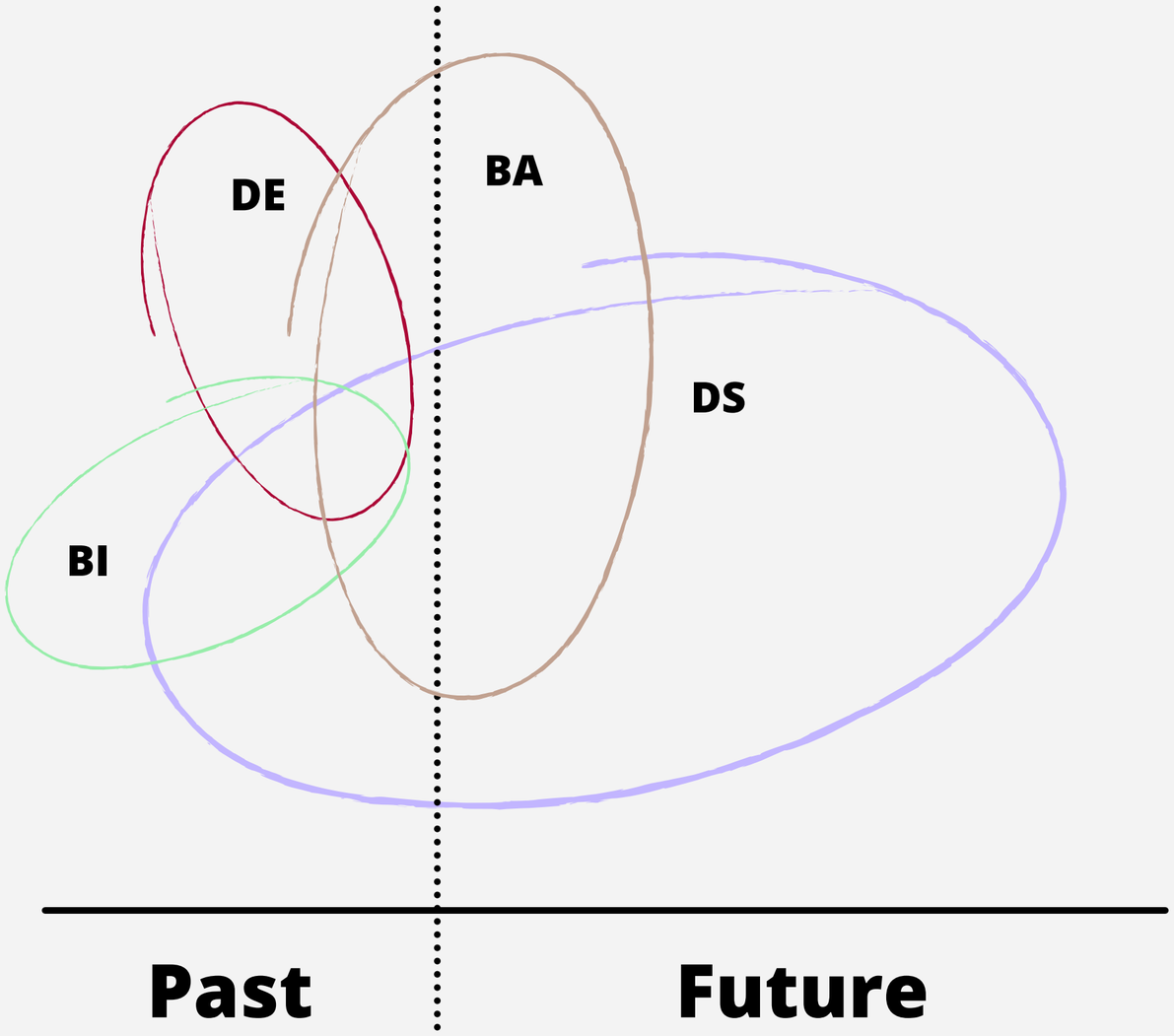
Future

1. Data Science
2. Business Intelligence
3. Business Analytics


BA
DS
BI
Past
Future

1. Data Science
2. Business Intelligence
3. Business Analytics
4. Data Engineering


DE
BA
DS
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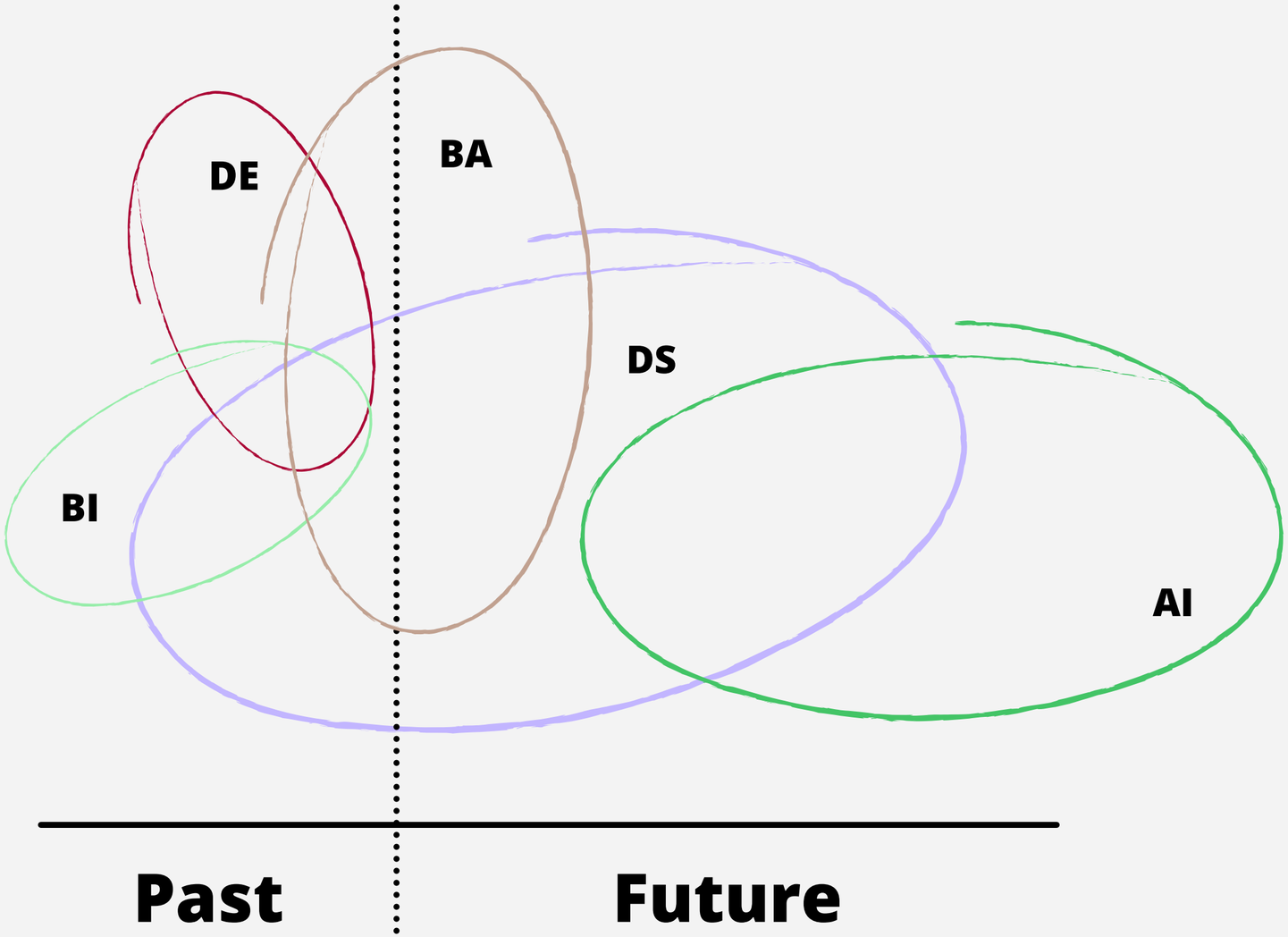
Past
Future

1. Data Science
2. Business Intelligence
3. Business Analytics
4. Data Engineering
5. Artificial Intelligence


DE
BA
DS
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AI
Past
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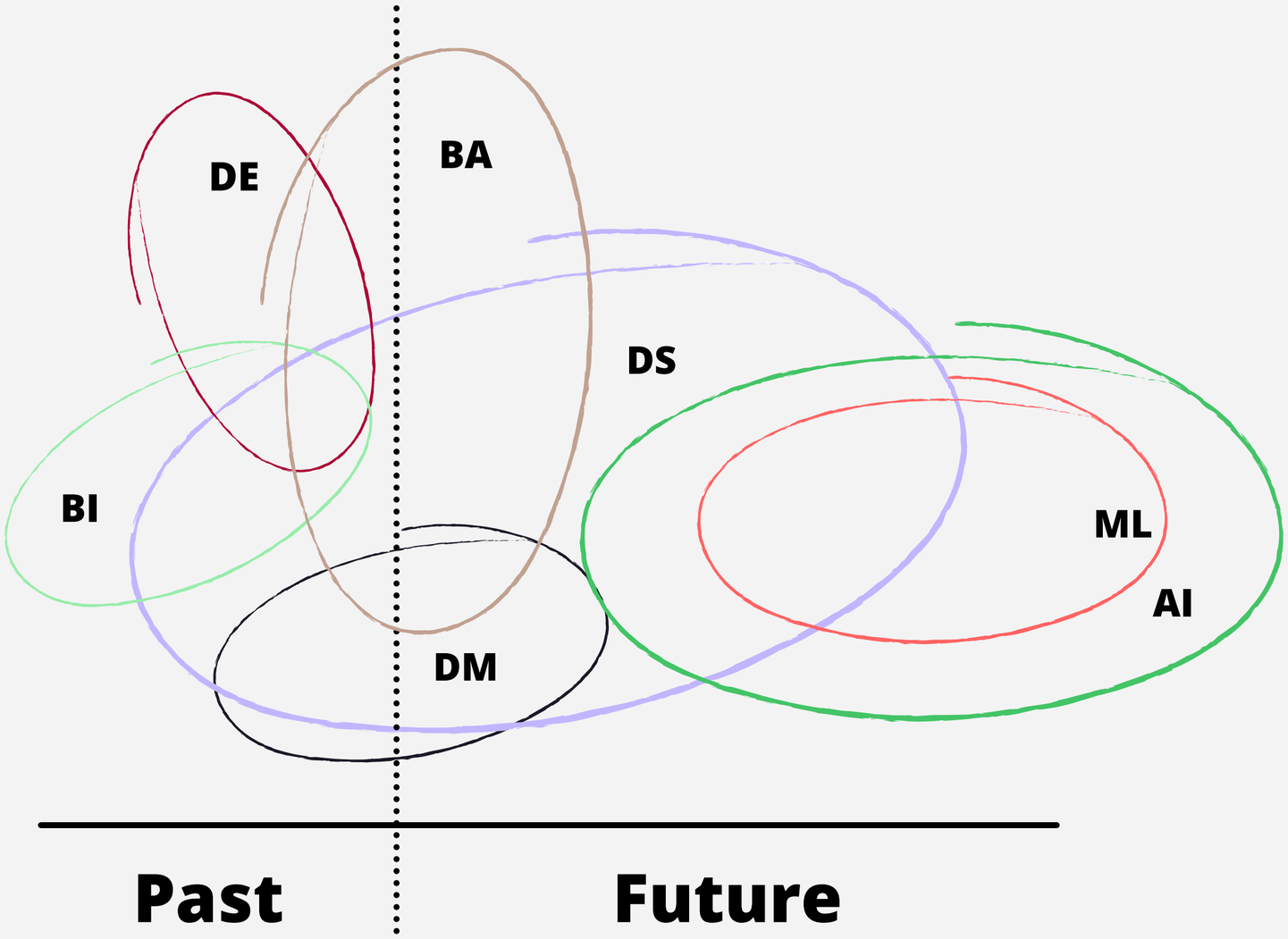
1. Data Science
2. Business Intelligence
3. Business Analytics
4. Data Engineering
5. Artificial Intelligence
6. Machine Learning


DE
BA
DS
BI
ML
AI
DM
Past
Future

MACHINE LEARNING

MACHINE LEARNING

1

Supervised learning

MACHINE LEARNING

1

Supervised learning

2

Unsupervised learning

MACHINE LEARNING

1

Supervised learning

2

Unsupervised learning

3

Semi-Supervised learning

MACHINE LEARNING

1

Supervised learning

2

Unsupervised learning

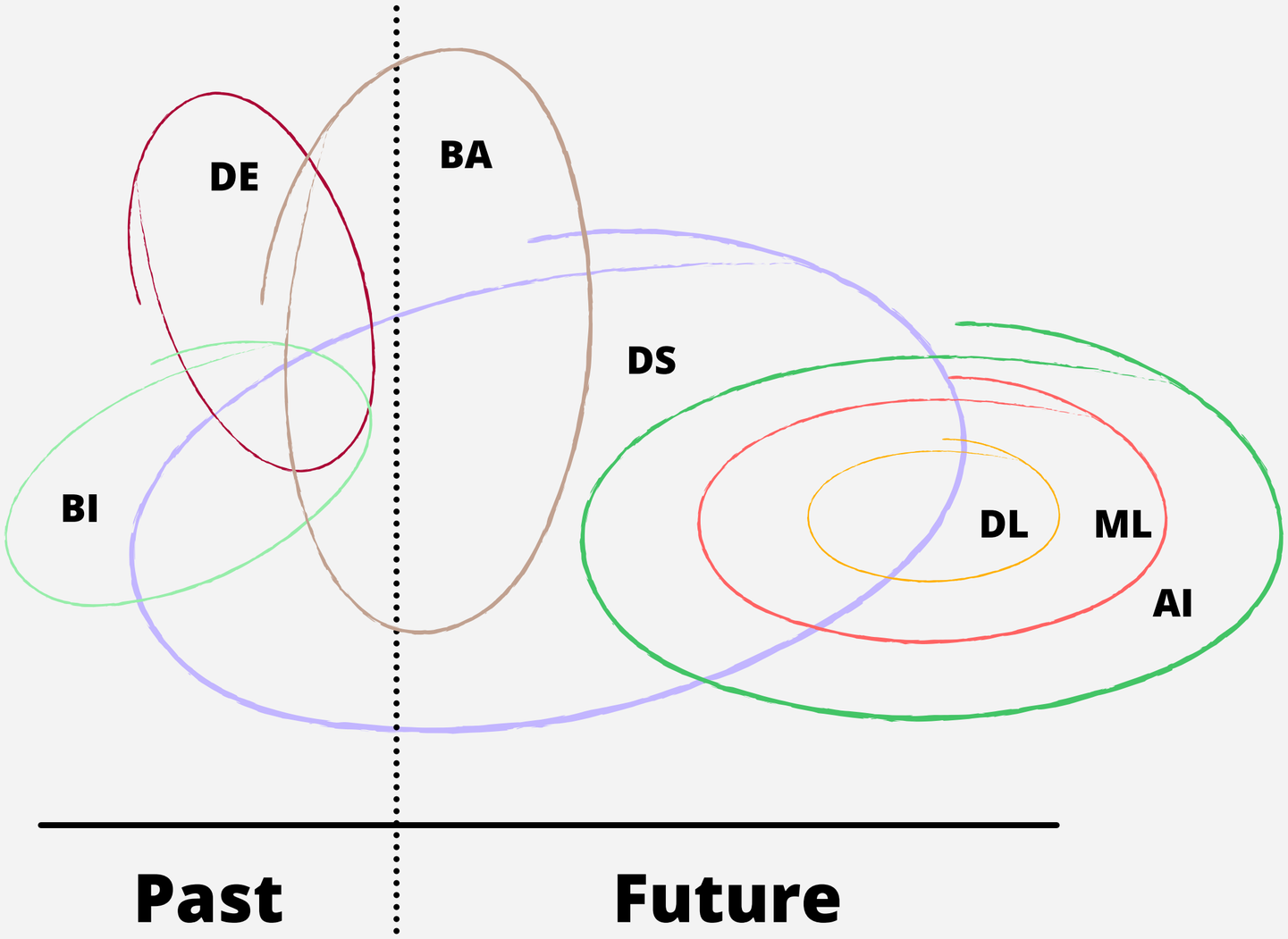
3

Semi-Supervised learning

4

Re-inforcement learning

1. Data Science
2. Business Intelligence
3. Business Analytics
4. Data Engineering
5. Artificial Intelligence
6. Machine Learning
7. Deep Learning


DE
BA
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1 Data Science

2 Business Intelligence

3 Business Analytics

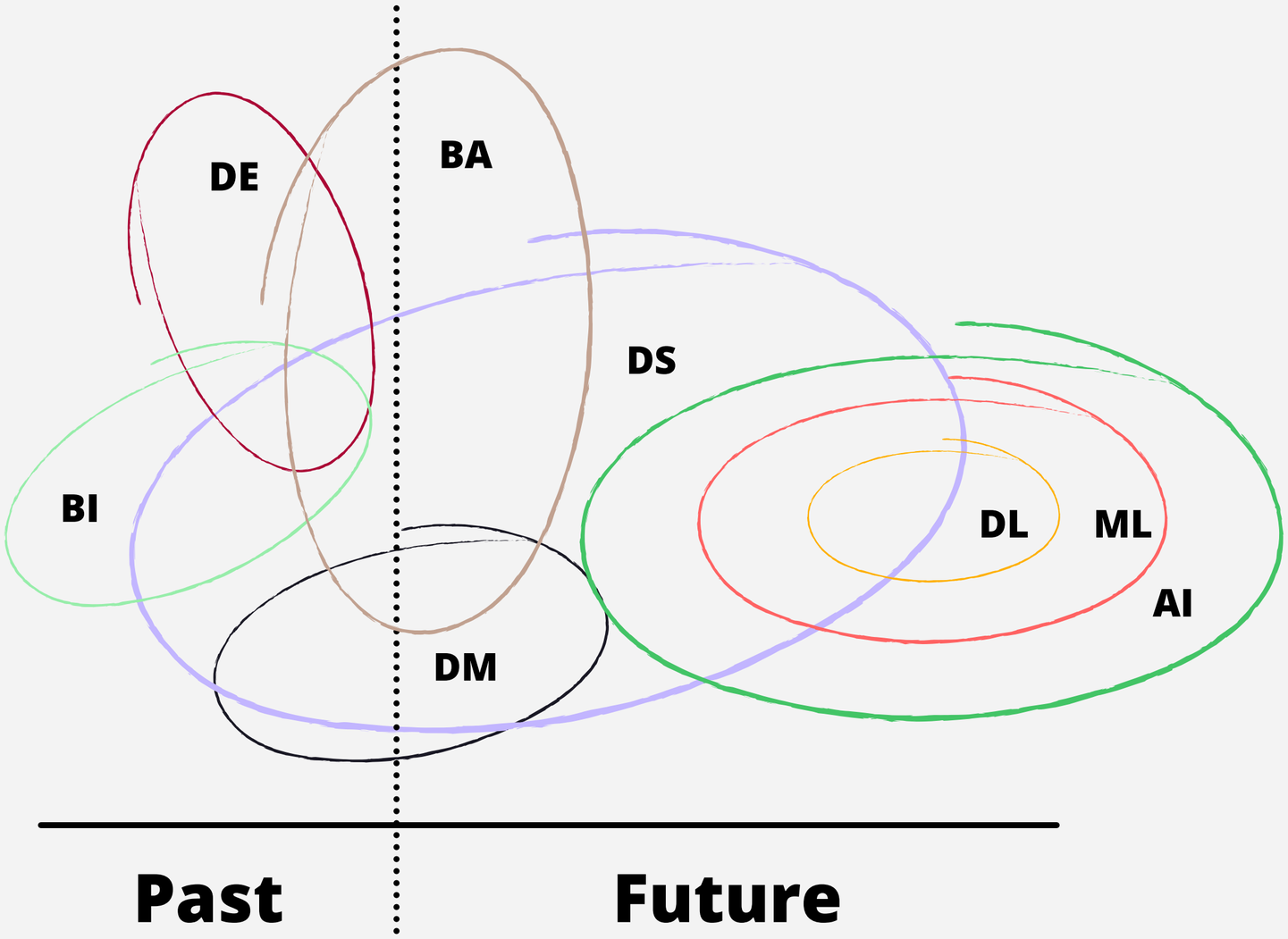
4 Data Engineering

5 Artificial Intelligence

6 Machine Learning

7 Deep Learning

8 Data Mining


DE
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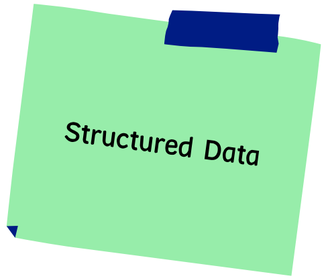
Data Types

- Data can be broadly classified into four types



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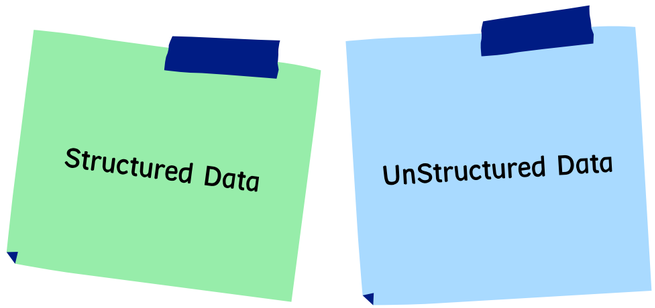

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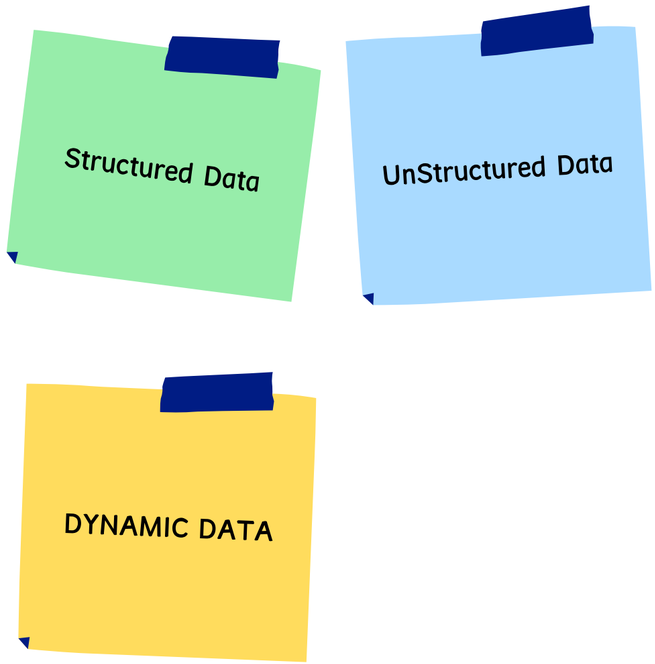

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	DYNAMIC	STATIC
UnStructured	Office docs, media production	medical imaging
Structured	transaction system	**BI,** Data warehousing

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	DYNAMIC	STATIC
UnStructured	Office docs, media production	medical imaging
Structured	transaction system	**BI,** Data warehousing

Thank you!

Link :https://fb.watch/3BarQiOVYM/