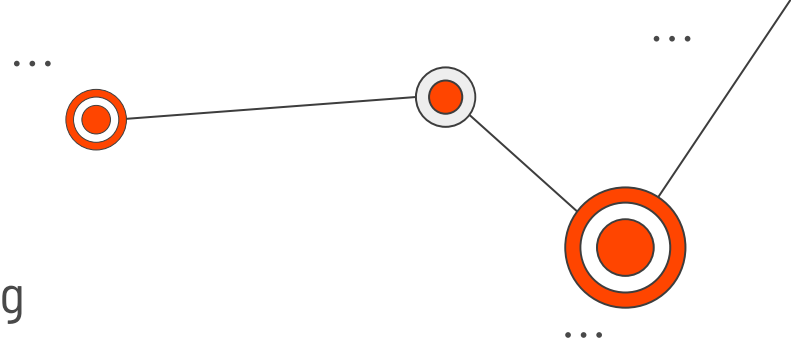


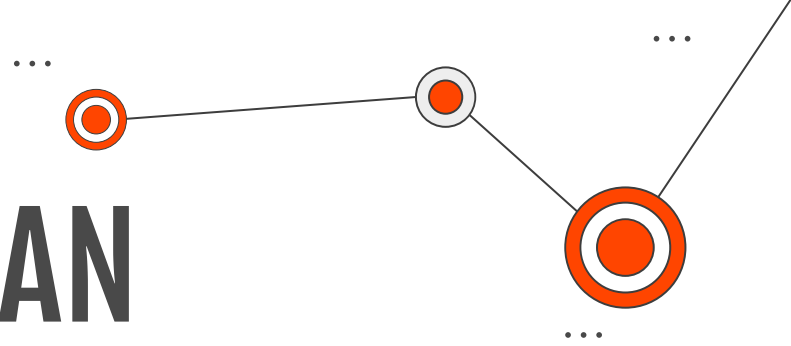
A word cloud featuring various terms related to statistics and data analysis. The most prominent words are 'data', 'statistics', 'statistical', 'analysis', 'models', 'inference', and 'deviation'. Other visible terms include 'quantitative', 'research', 'coefficient', 'regression', 'learning', 'computing', 'generalized', 'linear', 'bayesian', 'probability', 'modeling', 'maximum', 'sampling', 'estimation', 'random', 'machine', 'simulation', 'workshops', 'consulting', 'series', 'causal', 'equation', 'covariate', 'duration', 'variance', 'distribution', 'graphical', 'standard', 'normal', 'methods', 'predictive', 'time', 'function', 'parameter', 'spatial', 'visualization', 'likelihood', 'trend', 'expectation', 'analytics', 'management', and 'workshops'. The words are arranged in a dense, overlapping manner with varying font sizes and colors (primarily blue, orange, and green).



Muhammad Fahmi  
Teknik Informatika - Politeknik Pos Indonesia, Bandung

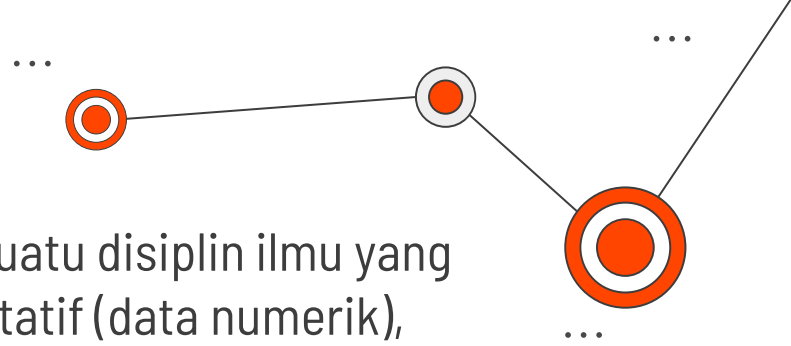
Jul 2020 -	Freelance Data Scientist
Mar 2021 -	Lead Data Scientist at Kebunpintar.Id
Feb - Jul 2021	Student Ambassador Bisa Ai (Pemateri)
2020- 2021	Data Scientist at Telkom Bandung
Now -	Founder at Intelligo.id





**SUDAH KENAL DENGAN**  
**DATA SCIENCE ?**

**APA ITU**  
**DATA SCIENCE ?**

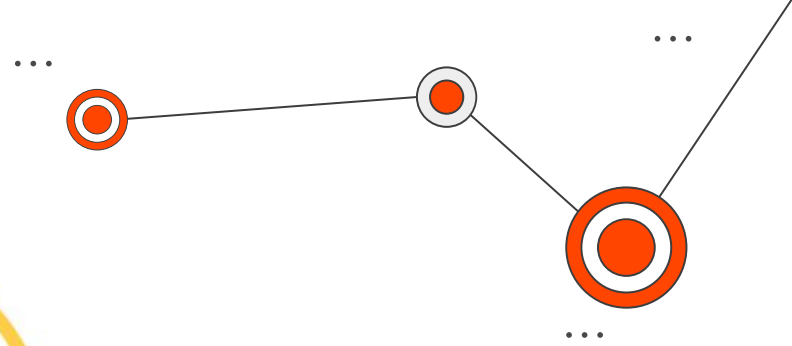
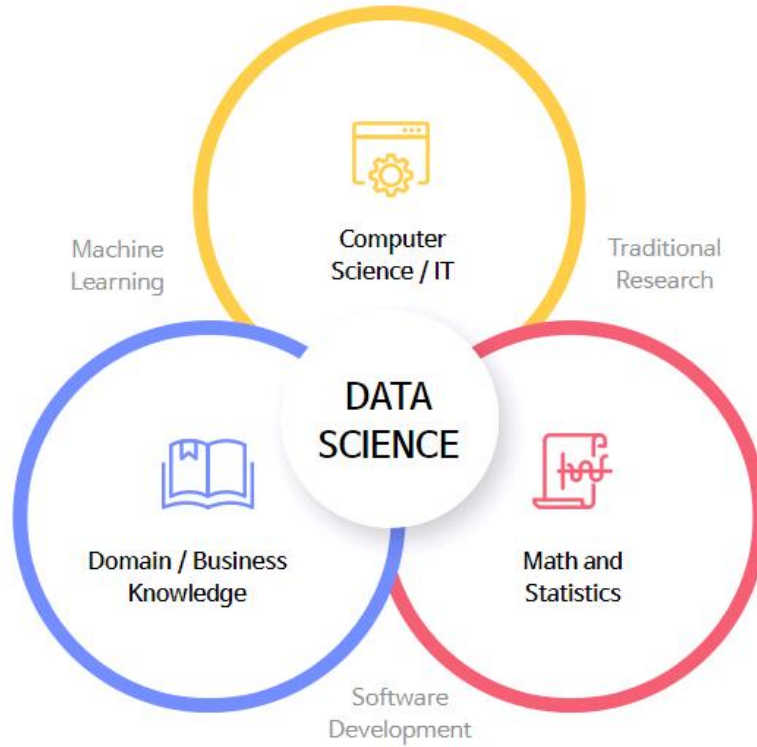


Ilmu data (bahasa Inggris: data science) adalah suatu disiplin ilmu yang khusus mempelajari data, khususnya data kuantitatif (data numerik), baik yang terstruktur maupun tidak terstruktur.

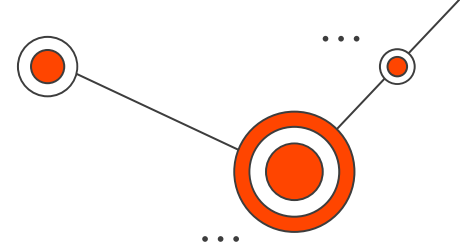
Ilmu data merupakan kombinasi dari ilmu sains dan ilmu sosial. Ilmu-ilmu yang menjadi penunjang utama dalam ilmu data terdiri dari matematika, statistika, ilmu komputer, sistem informasi, manajemen, ilmu informasi, termasuk juga ilmu komunikasi dan ilmu perpustakaan, kearsipan, dan dokumentasi.

Bahkan ilmu ekonomi, terutama ilmu bisnis, juga berperan penting dalam ilmu data.

Sumber : Wikipedia



# Jurusan yang Paling diincar untuk Profesi Data Science



**STATISTIK**

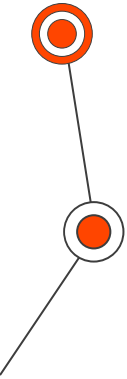
**INFORMATIKA**

**MATEMATIKA**

**ILMU KOMUNIKASI**

**EKONOMI**

**DAN JURUSAN LAINNYA**



# The Future of Jobs Report 2020

## Summer : world economic forum

### **“Ins” and “outs”**

The demand for some jobs will rise over the next five years, while for others it will shrink.

Increasing demand		Decreasing demand	
1	Data analysts and scientists	1	Data entry clerks
2	AI and machine learning specialists	2	Administrative and executive secretaries
3	Big data specialists	3	Accounting, bookkeeping, and payroll clerks
4	Digital marketing and strategy specialists	4	Accountants and auditors
5	Process automation specialists	5	Assembly and factory workers
6	Business development professionals	6	Business services and administration managers
7	Digital transformation specialists	7	Client information and customer services workers
8	Information security analysts	8	General and operations managers
9	Software and applications developers	9	Mechanics and machinery repairers
10	Internet of things specialists	10	Material-recording and stock-keeping clerks





## Data Scientist

also known as Data Managers, statisticians.



A data scientist will be able to take data science projects from end to end. They can help store large amounts of data, create predictive modelling processes and present the findings.

**Skills:** Mathematics, Programming, Communication



*Will use programmes such as:*  
SQL, Python, R

## Data Engineers

also known as database administrators and data architects.



They are versatile generalists who use computer science to help process large datasets. They typically focus on coding, cleaning up data sets, and implementing requests that come from data scientists.

**Skills:** Programming, Mathematics, Big data



*Will use programmes such as:*  
Hadoop, NoSQL, and Python

## Data Analysts

also known as business Analysts.



They typically help people from across the company understand specific queries with charts.

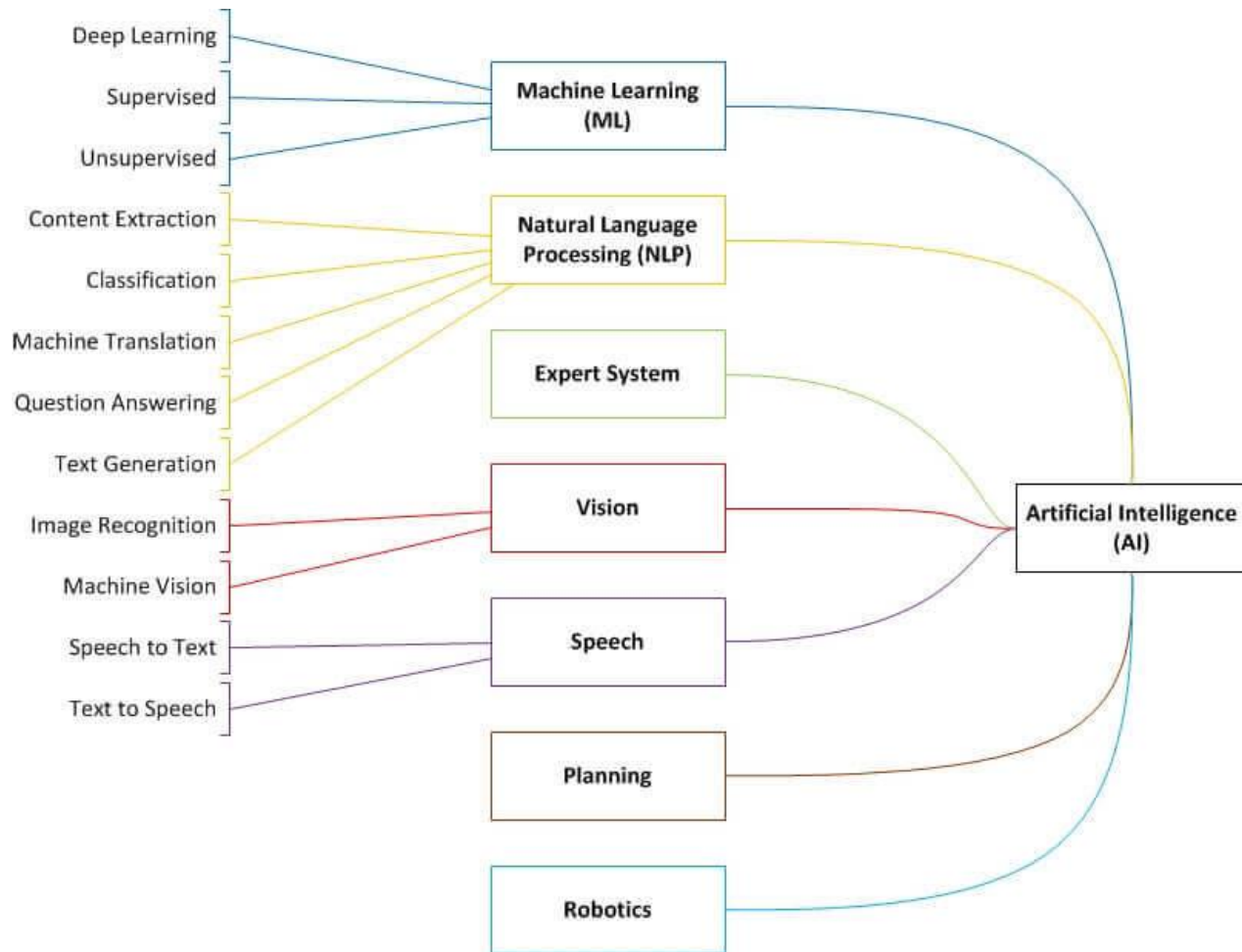
**Skills:** Statistics, Communication, Business knowledge



*Will use programmes such as:*  
Excel, Tableau, SQL

# BAHASA PEMROGRAMAN





# How AI is impacting our lives?

*Smartphones*



*Social Media  
Platforms*



*E-Commerce*



*Autonomous  
Vehicles*



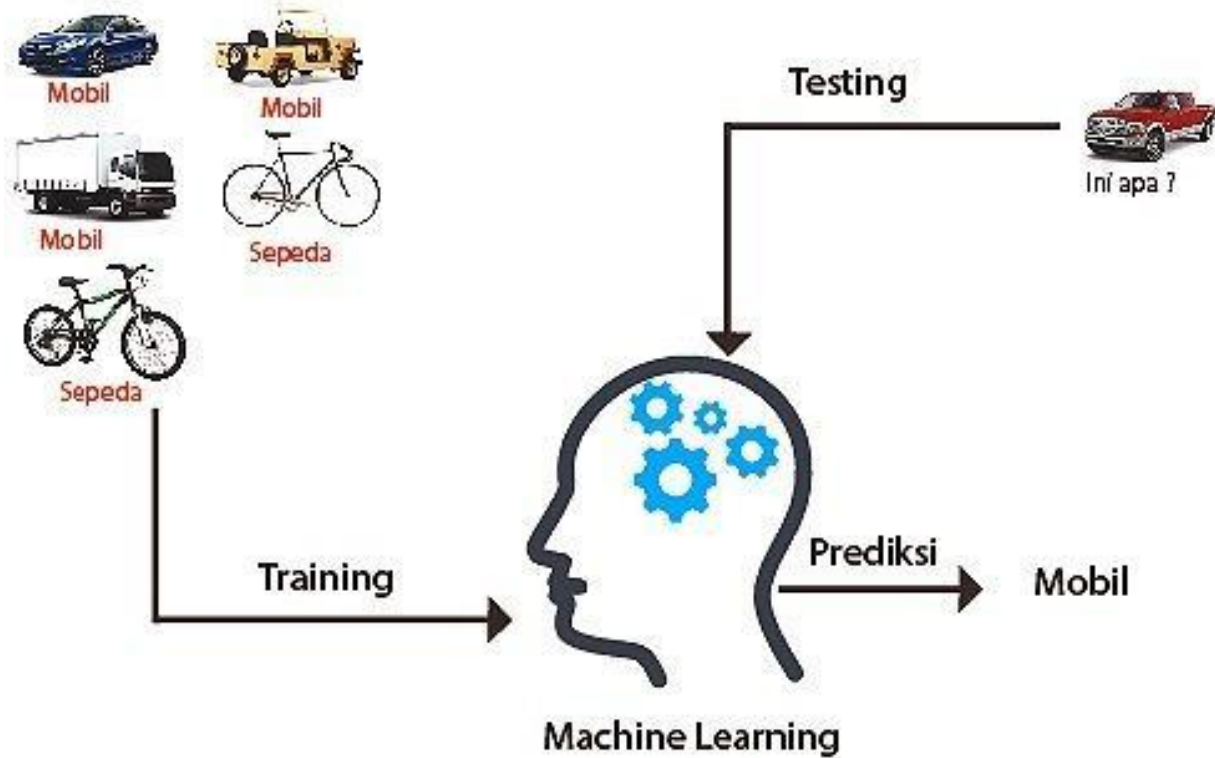
*Security &  
Surveillance*

*Navigation*

*Banking &  
Finance Sector*

*Smart Home*





# CONTOH PROGRAM

Project I	: Smart Box Logistic
Project II	: Deteksi Gelombang Otak Manusia
Project III	: Pintu Otomatis Face Recognition
Internship I	: Recommendation System
Internship II	: Sentiment Analysis
Other Project	: Job Recommendation
	Smart Absensi
	Titanic Analysis
	Fraud Detection
	Dan lain-lain



...

# DATA SCIENCE DALAM RUANG LINGKUP MAHASISWA



...

## 01

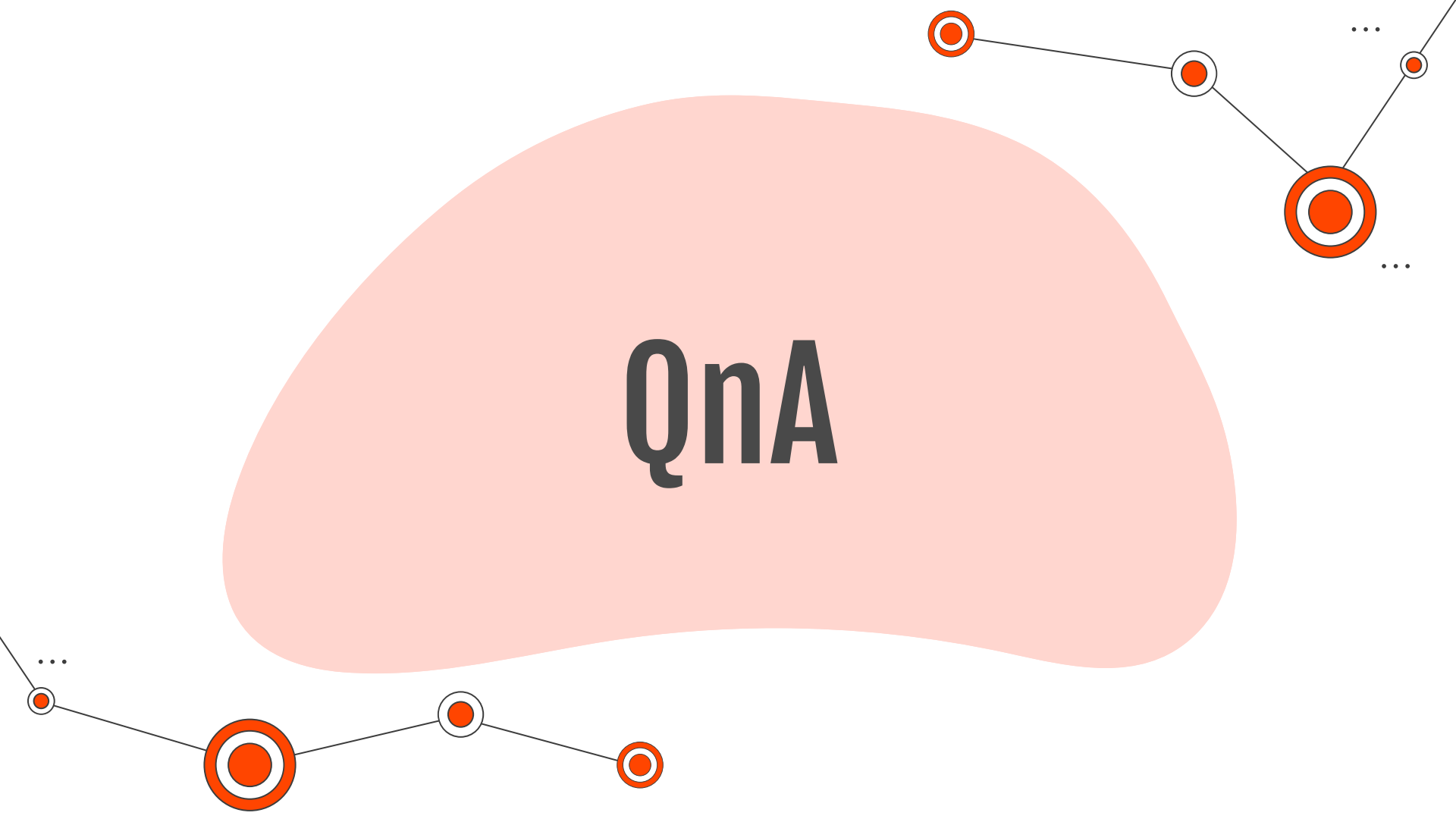
Pahami Skill Dasar Data Scientist

## 02

Siapkan Tools dan Mulai Pelajari Bahasa Pemrograman

## 03

Aplikasikan dan Bangun Portofolio



QnA