

Project Title	DataScience_ArtificialIntelligence_ Utils-master
Tools	Python
Technologies	Data science
Project Difficulties level	intermediate

## About dataset

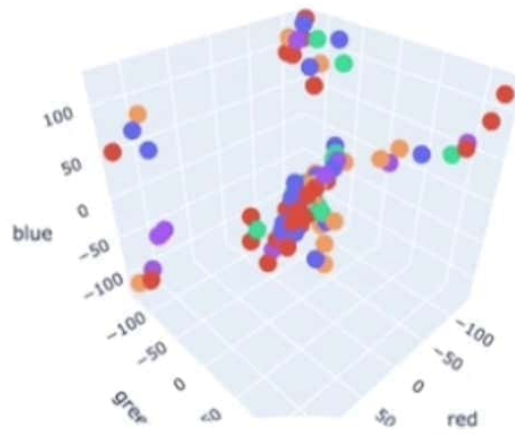
Data science is a statistical tools, methods and technology to generic meaning from Artificial intelligence takes this one step further and uses the data to solve cognitive problems commonly associated with human intelligence ,such as learning, pattern recognition ,and human like expression

The online masters in artificial intelligence program balances theoretical concepts with the practical knowledge you can apply to real world systems and processes .Courses deeply explore areas of AI, including robotics, natural language processing, image processing, and more fully online.

Data science combines statistical tools, methods, and technology to generate meaning from data.

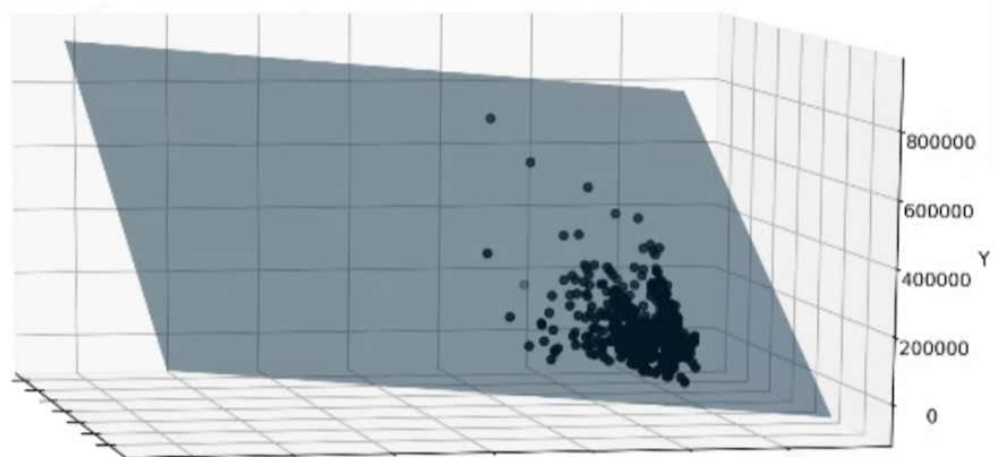
# Machine learning

classification

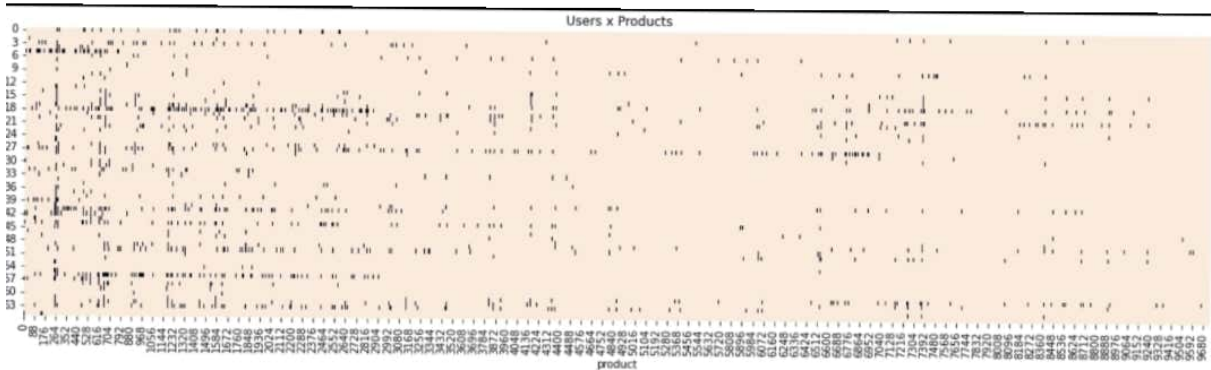


## Regression

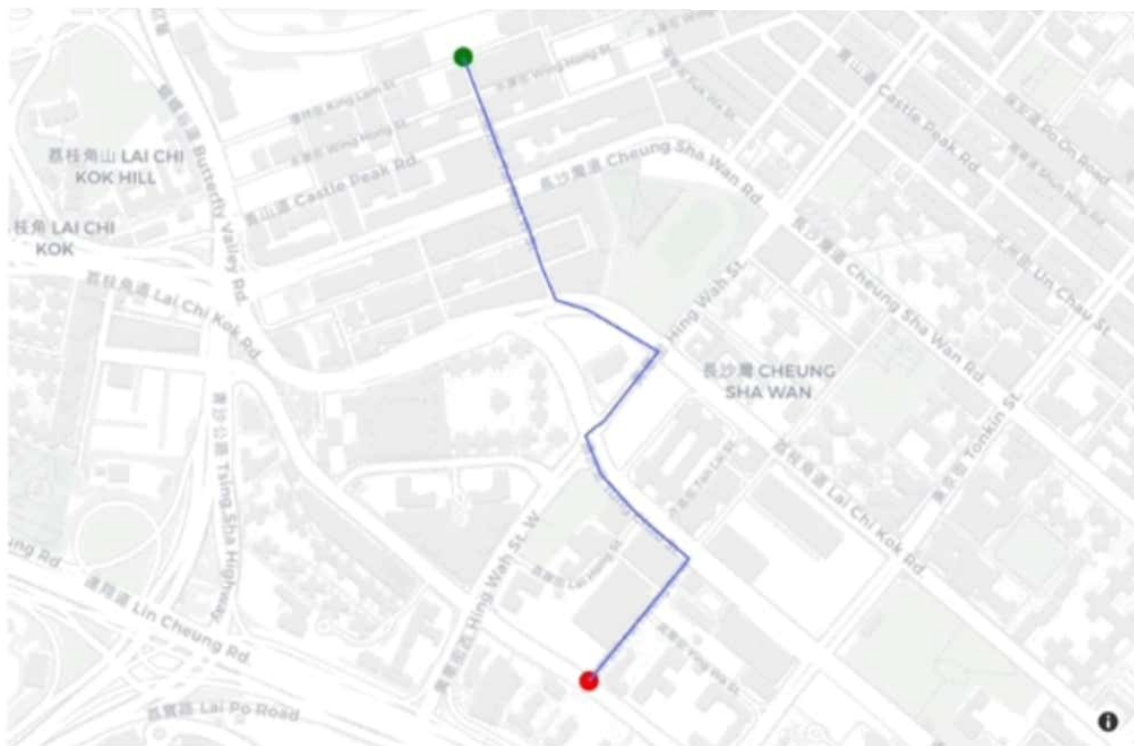
Regression plane



# Recommendation system

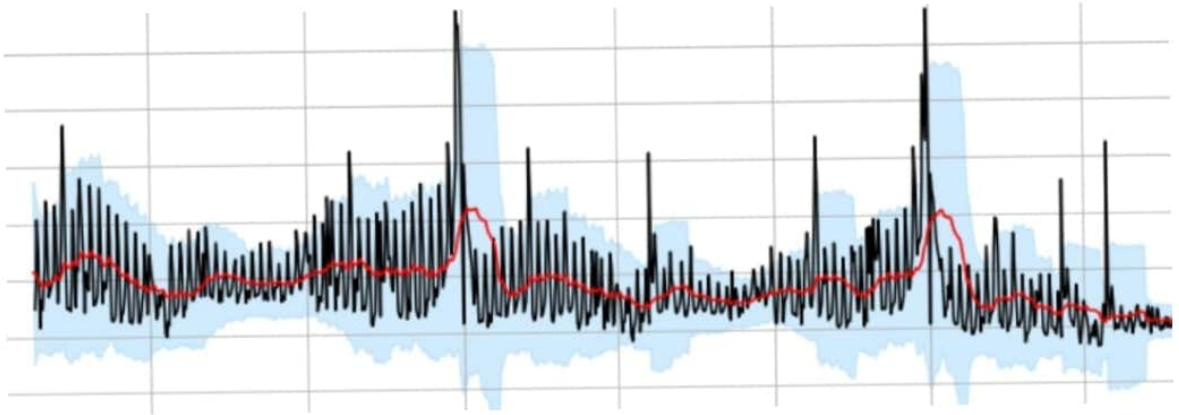


## Route optimization

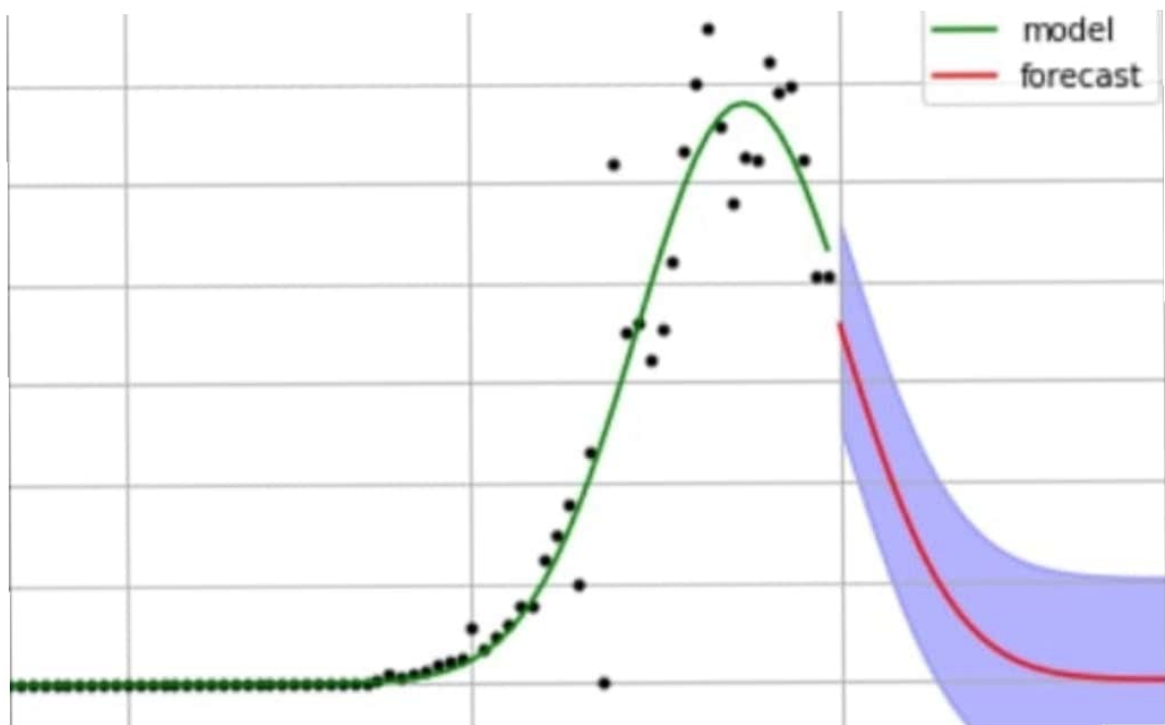


## 2. Time series

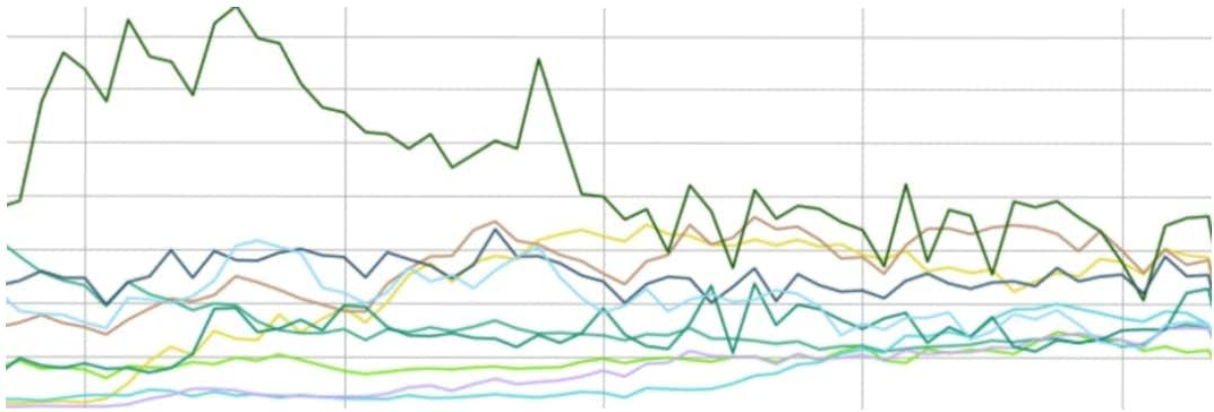
Forecasting



Parametric fit

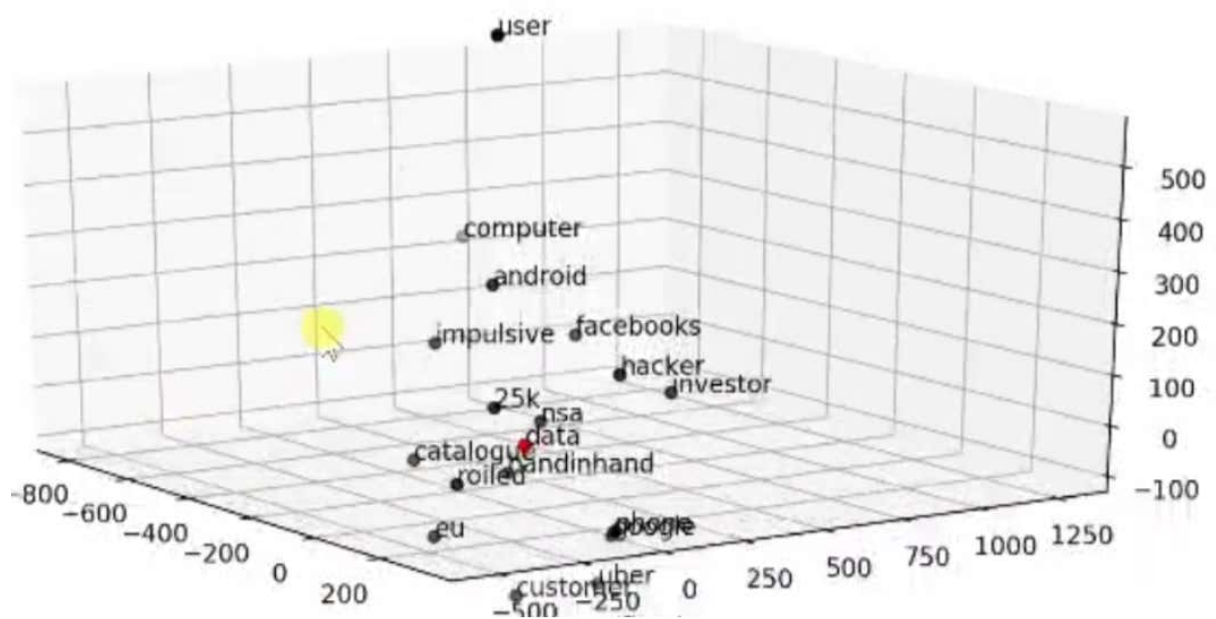


## Multi series



## 3. Natural language processing

### Text classification

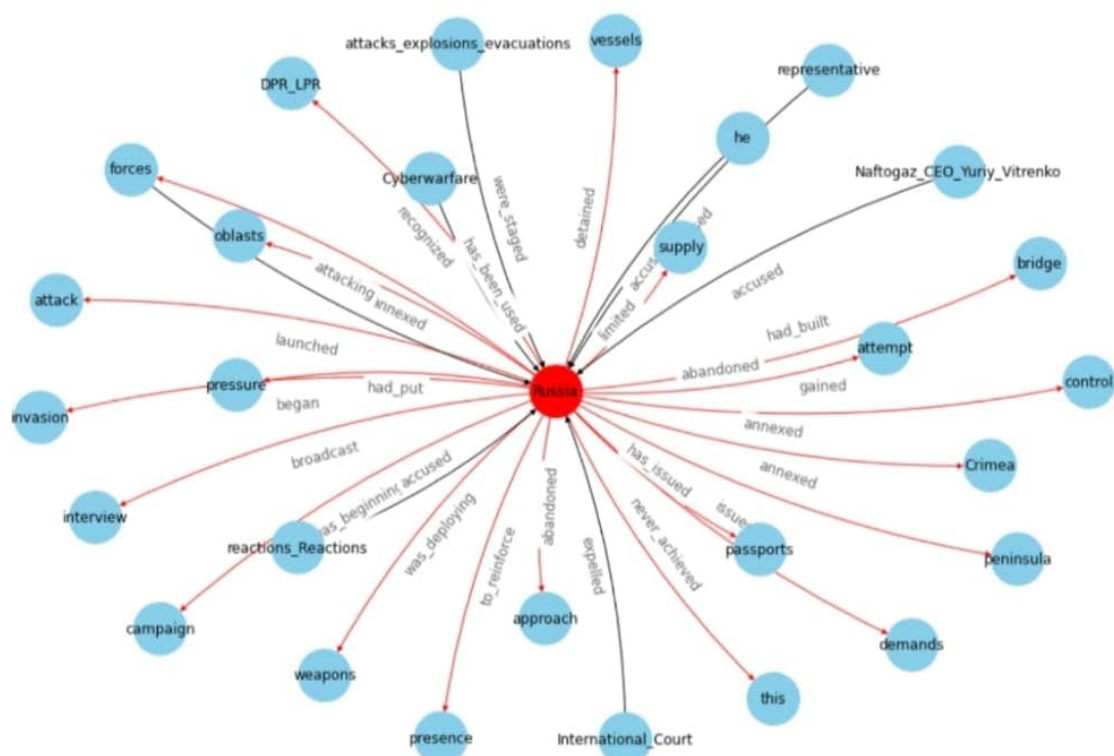




## Text summarisation

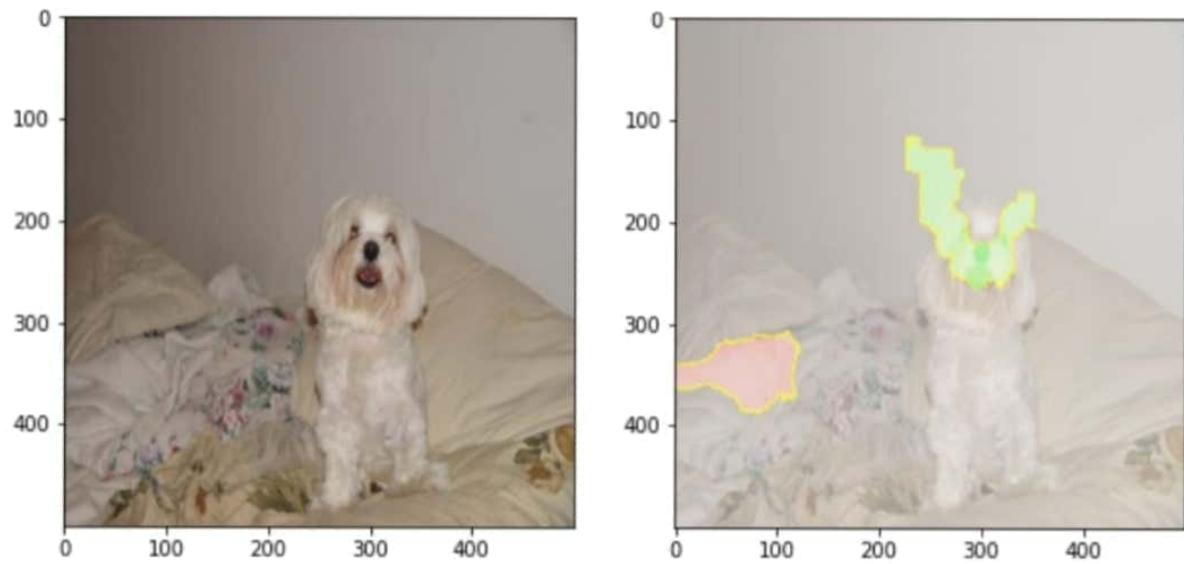
Parmalat to return to stockmarket Parmalat, the Italian dairy company which went bust after an accounting scandal, hopes to be back on the Italian stock exchange in July. The firm gained protection from creditors in 2003 after revealing debts of 14bn euros (\$18.34bn; £9.6bn). This was eight times higher than it had previously stated. In a statement issued on Wednesday night, Parmalat Finanziaria detailed administrators' latest plans for re-listing the shares of the group. As part of the re-listing on the Italian stock exchange, creditors' debts are expected to be converted into shares through two new share issues amounting to more than 2bn euros. The company's creditors will be asked to vote on the plan later this year. The plan is likely to give creditors of Parmalat Finanziaria shares worth about 5.7% of the debts they are owed. This is lower than the 11.3% creditors previously hoped to receive. Creditors of Parmalat, the main operating company, are likely to see the percentage of debt they receive fall from 7.3% to 6.9%. Several former top Parmalat executives are under investigation for the fraud scandal. Lawmakers said on Wednesday night Enrico Bondi, the turnaround specialist appointed by the Italian government as Parmalat's chief executive, spoke positively about the company during a closed-door hearing of the Chamber of Deputies industry commission. "Bondi supplied us with elements of positive results on the industrial positions and on the history of debt which will find a point of solution through the Parmalat group's quotation on the market in July," Italian news agency Apcom quoted several lawmakers as saying in a statement.

## Knowledge graph

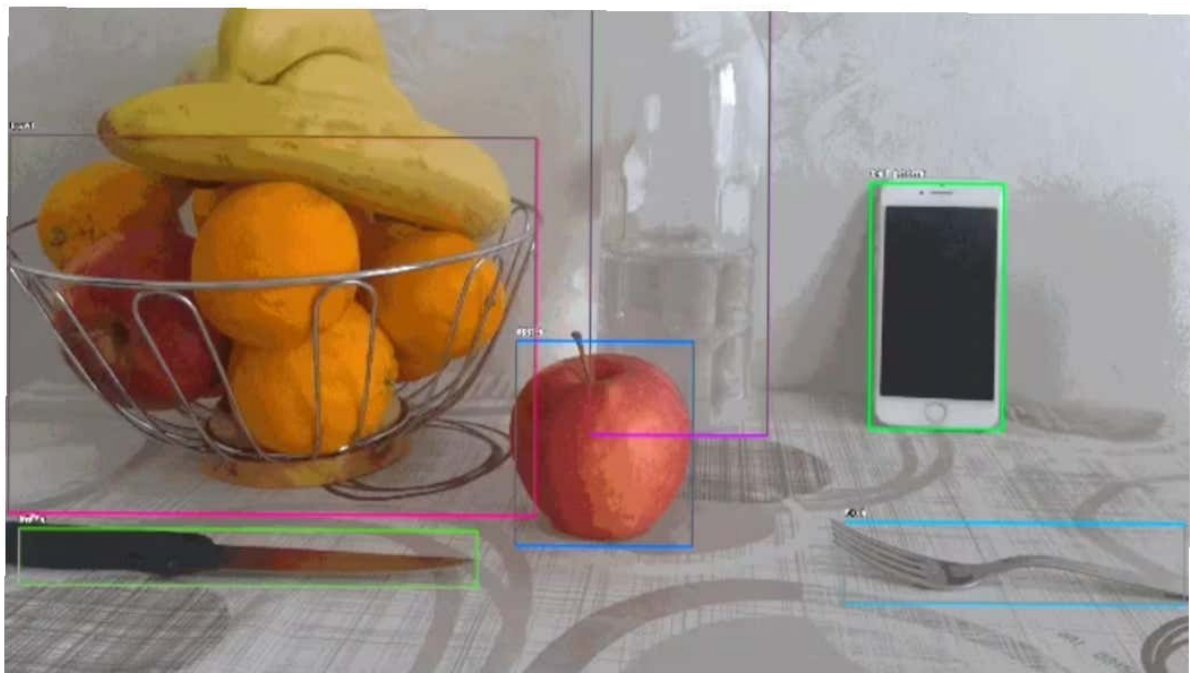


## 4. Computer vision

### Computer classification



### Object deduction



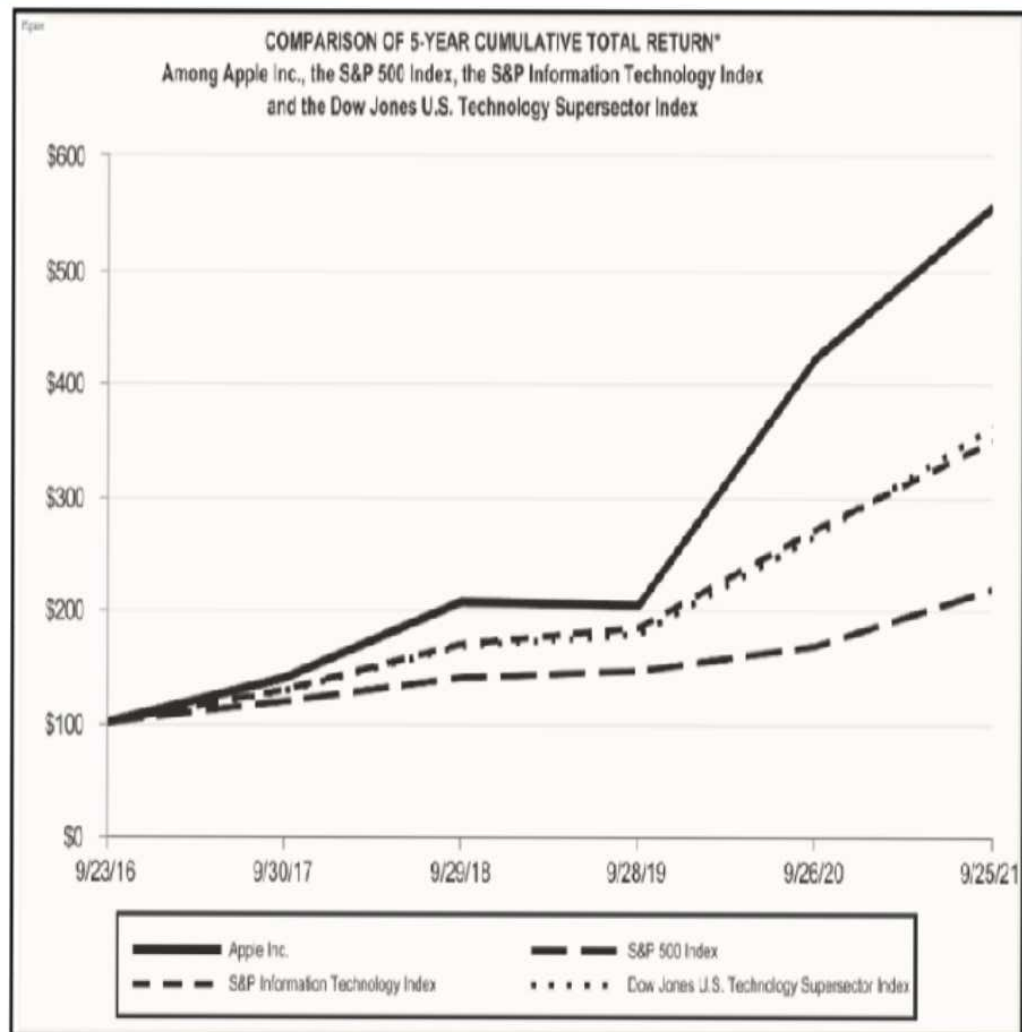
## Title

## Company Stock Performance

## Text

The following graph shows a comparison of cumulative total shareholder return, calculated on a dividend-reinvested basis, for the Company, the S&P 500 Index, the S&P Information Technology Index and the Dow Jones U.S. Technology Supersector Index for the five years ended September 25, 2021. The graph assumes \$100 was invested in each of the Company's common stock, the S&P 500 Index, the S&P Information Technology Index and the Dow Jones U.S. Technology Supersector Index as of the market close on September 23, 2016. Note that past stock price performance is not necessarily indicative of future stock price performance.

## Figure



\* \$100 invested on September 23, 2016 in stock or index, including reinvestment of dividends. Data points are the last day of each fiscal year for the Company's common stock and September 30th for indexes.

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## Table

	September 2016	September 2017	September 2018	September 2019	September 2020	September 2021
Apple Inc.	\$ 100	\$ 139	\$ 207	\$ 204	\$ 422	\$ 556
S&P 500 Index	\$ 100	\$ 119	\$ 140	\$ 146	\$ 168	\$ 218
S&P Information Technology Index	\$ 100	\$ 129	\$ 169	\$ 184	\$ 271	\$ 349
Dow Jones U.S. Technology Supersector Index	\$ 100	\$ 128	\$ 168	\$ 178	\$ 265	\$ 362