



CAPSTONE PROJECT 1

Explorative Analysis of
Deferred Action for Childhood Arrivals
(DACA) program

SUNIL AYYAPPAN

SPRINGBOARD DATA SCIENCE CAREER TRACK

TOPICS CONSIDERED

01

IPL 2018 AUCTION (MONEYBALL)

To determine the in-form players based on their skill in bowling & batting and evaluate whether they should be bought in auction.

02

CRYPTOCURRENCY EVOLUTION

An explorative analysis on the rise of cryptocurrency. A study based on the value of three cryptocurrency - Bitcoin, Ethereum, and Litecoin based on five criteria - open, close, high, low and volume.

03

DACA EXPLORATIVE ANALYSIS

An explorative analysis on the country and states in the US affected by the Deferred Action for Childhood Arrivals (DACA). To study the impact of DACA act and recent trends as per the last 4 quarters in 2017

WHY I PICKED DACA FOR MY PROJECT?



DATA AVAILABILITY

Reliable data was available from USCIS website.



HOTTEST TOPIC

This is one of the most talked about news since it is ending in March 2018



DATA VISUALIZATION

A great scope for lots of visualization



DACA STORY

DACA was an executive action taken by President Barack Obama that allowed undocumented immigrants who came to the US under the age of 16 to apply for protection from deportation. After a background check, those individuals were able to get renewable two-year permits to work and study in the US, as well.

Since it went into effect in 2012, roughly 800,000 people were protected by the program, and roughly 700,000 had active DACA protections in September when the Trump administration announced its end.

FINAL DATASET

Overall case status

Fiscal Year	Type	Request Accepted	Request Rejected	Total Request Received	Average Accepted/Day	Biometrics Scheduled	Request Under Review	Approved	Denied	Pending
2012	Initial	152,431	5,395	157,826	3,629	124,055	38,024	1,680	-	150,751

case status by country

Top Countries of Origin	Initials Accepted	Initials Approved	Renewals Accepted	Renewals Approved	Total Accepted	Total Approved
Mexico	705,125	627,666	857,475	785,675	1,562,600	1,413,341

case status by US states

US State	Initials Accepted	Initials Approved	Renewals Accepted	Renewals Approved	Total Accepted	Total Approved
California	246,140	224,737	256,248	238,464	502,388	463,201

2017 case status

Year-Quarter	Request Type	Request Accepted	Request Rejected	Total Request Received	Average Accepted/Day	Approved	Denied	Pending
Q1-2017	Initial	15,326	15	15,341	247	18,239	2,091	42,165

THANK YOU

for your time!



SUNIL AYYAPPAN