

Data Visualization



Zhian Wang

- Oscar Nomination Prediction
- CSIS - Table App
- CSIS - Chart Maker
- Interactive Time Series Line Chart

Prediction of 2017 Oscar Nomination

File Input

Browse...

movie.csv

Upload complete

Training Data

2,012

2,014

2,015

2,012

2,013

2,014

2,015

Validation Data

2,012

2,015

2,012

2,013

2,014

2,015

Summary

[DataSummary](#)[Stepwise Model Summary](#)[Logistic Model Summary](#)[Confusion Matrix](#)[Misclassification Rate](#)[ROC Curve](#)[Lift Curve](#)

Nomination Movies for 2017 Oscar

data

Finding Dory

Zootopia

Doctor Strange

Manchester by the Sea

Moonlight

Aquarius

The Wailing

La La Land

Animated Feature Film

CSIS - Table App

Choose a dataset

FPDS_ContractType

View



Standard



Difference

Aggregate by



Customer



Category



Contract.Type



VendorSize



Portfolio



Classification

Copy

Print

Download

Search:

Fiscal Year

Customer

Category

VendorSize

Portfolio

Amount

All

["Navy", "Air Force"]



All

["Big Five"]



All

All

1	2000	Air Force	Products	Big Five	Aircraft and Drones	\$11,737,531,132
2	2001	Air Force	Products	Big Five	Aircraft and Drones	\$13,390,540,520
3	2002	Air Force	Products	Big Five	Aircraft and Drones	\$15,362,432,386
4	2003	Air Force	Products	Big Five	Aircraft and Drones	\$16,197,836,544
5	2004	Air Force	Products	Big Five	Aircraft and Drones	\$14,648,406,856
6	2005	Air Force	Products	Big Five	Aircraft and Drones	\$11,357,578,661
7	2006	Air Force	Products	Big Five	Aircraft and Drones	\$16,305,378,294
8	2007	Air Force	Products	Big Five	Aircraft and Drones	\$17,634,881,372
9	2008	Air Force	Products	Big Five	Aircraft and Drones	\$12,972,229,204

CSIS - Table App

Choose a dataset

User Select

Please choose a csv file to read, which should have fiscal year in the 1st column and an 'Amount' column.

Browse...

FPDS_Customer_data.csv

Upload complete

View

☐ Standard

☒ Difference

Aggregate by

☒ VendorSize

☒ Customer

☒ Category

☒ Portfolio

☐ Contract.Type

☐ Classification

Difference between

FY_2015

and

FY_2016

Filter Zero Data

☐ Yes

☒ No

Show 50 entries

Search:

	VendorSize	Customer	Category	Portfolio	FY_2015	FY_2016	Difference	Percent_Difference
	All	All	All	All	All	All	All	All
1	Big Five	Air Force	Products	Aircraft and Drones	\$7,845,625,956	\$15,229,575,770	-\$7,383,949,814	48%
2	Big Five	Air Force	Products	Electronics and Communications	\$1,115,581,272	\$1,264,744,290	-\$149,163,018	12%
3	Big Five	Air Force	Products	Facilities and Construction	\$861,634	\$4,706,062	-\$3,844,428	82%
4	Big Five	Air Force	Products	Land Vehicles	\$17,326	-\$11,379	\$28,705	-252%
5	Big Five	Air Force	Products	Missile and Space Systems	\$1,130,877,105	\$2,080,996,521	-\$950,119,416	46%
6	Big Five	Air Force	Products	Other Products	\$560,380	\$0	\$560,380	100%
7	Big Five	Air Force	Products	Ships & Submarines	-\$24,204	\$39,000	-\$63,204	-261%
8	Big Five	Air Force	Products	Weapons and Ammunition	\$1,734,239,112	\$2,468,665,529	-\$734,426,417	30%

CSIS - Chart Maker

FPDS Charts

Years



- ☒ Bar Chart
- ☐ Line Chart
- ☐ Double Stacked

Breakout

PlatformPortfolio

Facet

None

Y Variable

Action.Obligation.2016

- ☐ As Total
- ☒ As Share

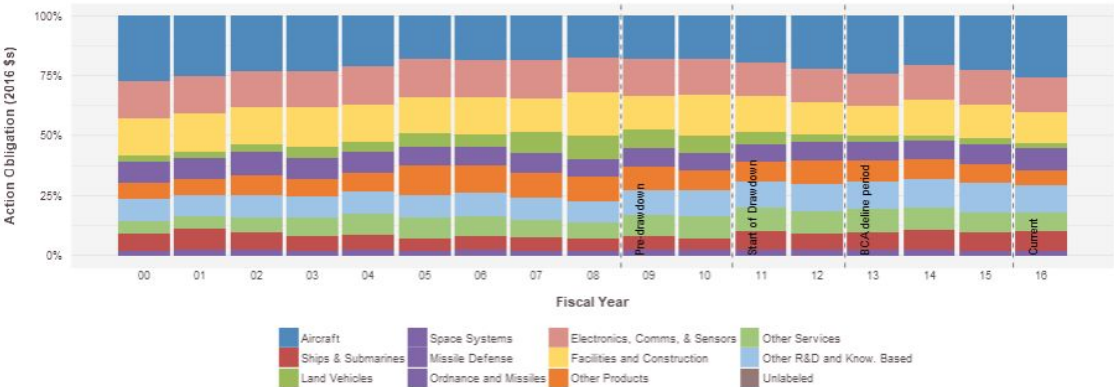
Show Drawdown Periods

- ☒ Yes
- ☐ No

Charts

Edit Data

Share of Action.Obligation.2016 by PlatformPortfolio



Save Plot as JPG (300 DPI)

Height (inches): 6

Width (inches): 6

Download Plotted Data

Plot title

Share of Action.Obligation.2016 by PlatformPortfolio

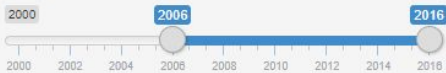
☒ Show title

Lock

CSIS - Chart Maker

FPDS Charts

Years



- ☐ Bar Chart
- ☐ Line Chart
- ☒ Double Stacked

Breakout

SubCustomer

Facet

Shiny.VendorSize

Y Variable

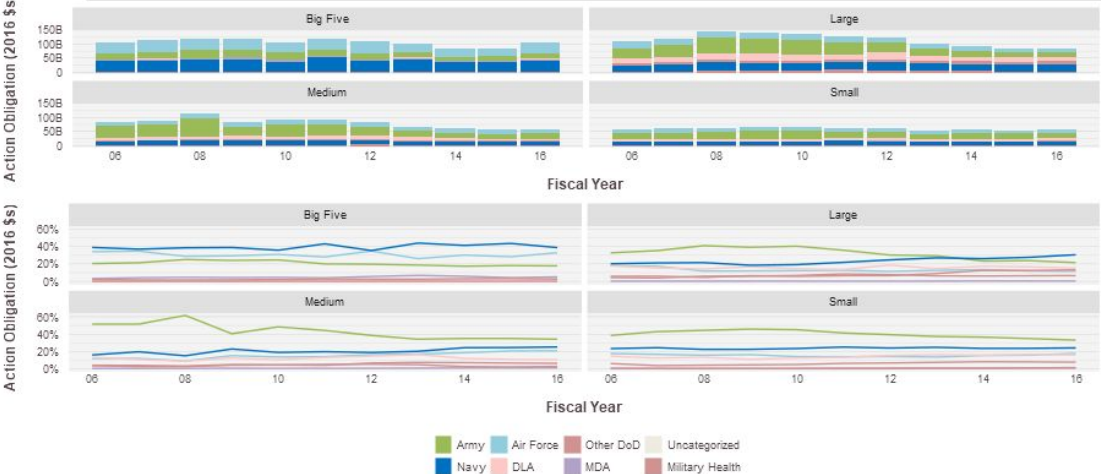
Action.Obligation.2016

Show Drawdown Periods

- ☐ Yes
- ☒ No

Charts

Edit Data



Save Plot as JPG (300 DPI)

Height (inches): 6

Width (inches): 6

Download Plotted Data

Plot title

Share of Action.Obligation.2016 by SubCustomer and Shiny.VendorSize

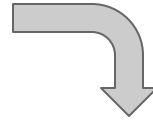
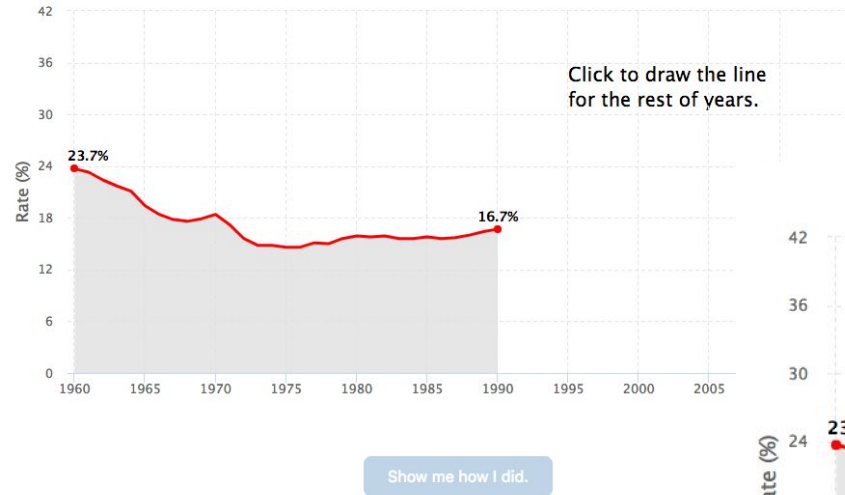
Show title

Lock

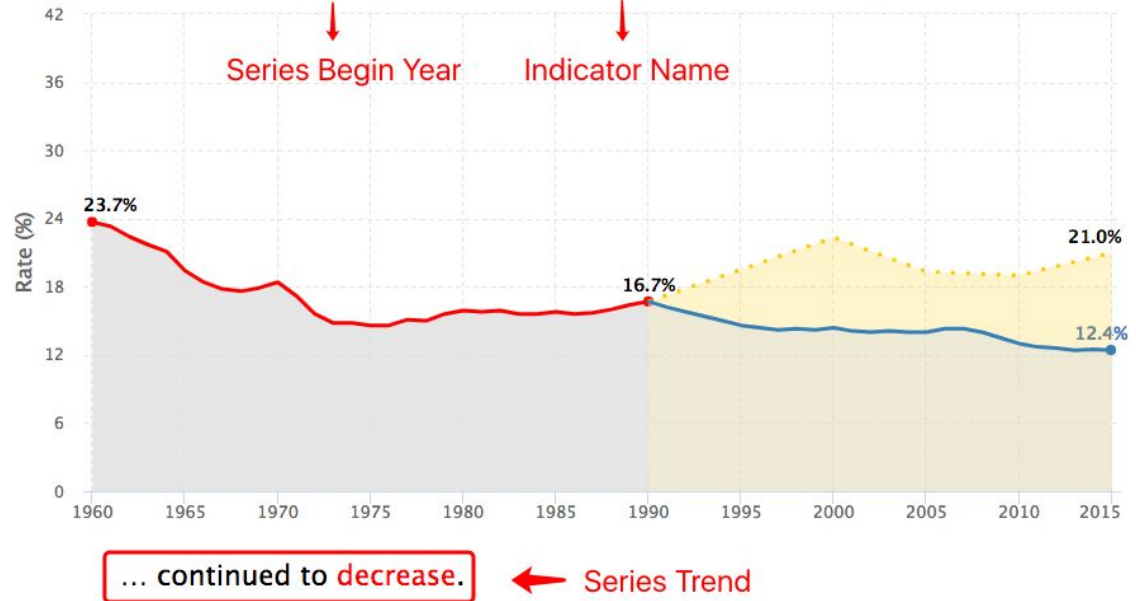
World Bank - Data Visualization Gallery

WDI Time Series Interactive Line Chart

Since 1960, Birth rate, crude (per 1,000 people) ...



Since 1960 Birth rate, crude (per 1,000 people) ...



Apply the line chart to thousands of WDIs