

# How to get a Bag from College

CECS 450

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# Table of contents

Salaries by Region	Salaries by College Type	Salaries by Major
01 Preparing & Cleaning	04 Preparing & Cleaning	07 Preparing & Cleaning
02 Exploration	05 Exploration	08 Exploration
03 Analysis	06 Analysis	09 Analysis

# **Preparing & Cleaning**

## Salaries by College Region

So we started here....

My dataset has been split into:

- School Name
- Region
- Starting median salary
- Mid-Career median salary
- Then the 25th, 75th, and 90th percentile of the mid career salaries

Not bad, there are some issues

A	B	C	D	E	F	G	H	I	J
1	School Name	Region	Starting Median Salary	Mid-Career 25th Percentile	Mid-Career 50th Percentile	Mid-Career 75th Percentile	Mid-Career 90th Percentile	90th Percentile Salary	
2	Stanford University	California	\$70,400.00	\$129,000.00	\$68,400.00	\$93,100.00	\$184,000.00	\$257,000.00	
3	California State University	California	\$75,500.00	\$123,000.00	N/A		\$104,000.00	\$161,000.00	N/A
4	Harvey Mudd College	California	\$71,800.00	\$122,000.00	N/A		\$96,000.00	\$180,000.00	N/A
5	University of California	California	\$59,900.00	\$112,000.00	\$59,500.00	\$81,000.00	\$149,000.00	\$201,000.00	
6	Occidental College	California	\$51,900.00	\$105,000.00	N/A		\$54,800.00	\$157,000.00	N/A
7	Cal Poly San Luis Obispo	California	\$57,200.00	\$101,000.00	\$55,000.00	\$74,700.00	\$133,000.00	\$178,000.00	
8	University of California	California	\$52,600.00	\$101,000.00	\$51,300.00	\$72,500.00	\$139,000.00	\$193,000.00	
9	University of California	California	\$51,100.00	\$101,000.00	\$51,700.00	\$75,400.00	\$131,000.00	\$177,000.00	
10	Pomona College	California	\$48,600.00	\$101,000.00	N/A		\$63,300.00	\$161,000.00	N/A
11	University of California	California	\$54,800.00	\$99,600.00	\$49,700.00	\$73,800.00	\$140,000.00	\$201,000.00	
12	University of California	California	\$52,300.00	\$99,600.00	\$52,000.00	\$71,600.00	\$135,000.00	\$202,000.00	
13	University of California	California	\$48,300.00	\$96,700.00	\$47,800.00	\$66,000.00	\$123,000.00	\$172,000.00	
14	San Jose State University	California	\$53,500.00	\$95,600.00	\$50,700.00	\$70,500.00	\$122,000.00	\$156,000.00	
15	University of California	California	\$50,500.00	\$95,000.00	\$51,300.00	\$71,200.00	\$129,000.00	\$173,000.00	
16	California State University	California	\$47,400.00	\$88,100.00	\$46,800.00	\$62,800.00	\$122,000.00	\$154,000.00	
17	California State University	California	\$45,700.00	\$87,000.00	\$45,400.00	\$62,500.00	\$119,000.00	\$158,000.00	
18	San Francisco State University	California	\$47,300.00	\$86,400.00	\$45,100.00	\$62,700.00	\$114,000.00	\$150,000.00	
19	San Diego State University	California	\$46,200.00	\$85,200.00	\$45,500.00	\$61,800.00	\$116,000.00	\$158,000.00	
20	California State University	California	\$45,100.00	\$84,700.00	\$47,400.00	\$62,500.00	\$113,000.00	\$154,000.00	
21	California State University	California	\$49,200.00	\$84,300.00	\$46,000.00	\$62,400.00	\$115,000.00	\$155,000.00	

Got it into Jupyter Notebook and got it displaying here...

	School Name	Region	Starting Median Salary	Mid-Career Median Salary	Mid-Career 10th Percentile Salary	Mid-Career 25th Percentile Salary	Mid-Career 75th Percentile Salary	Mid-Career 90th Percentile Salary
0	Stanford University	California	\$70,400.00	\$129,000.00	\$68,400.00	\$93,100.00	\$184,000.00	\$257,000.00
1	California Institute of Technology (CIT)	California	\$75,500.00	\$123,000.00	N/A	\$104,000.00	\$161,000.00	N/A
2	Harvey Mudd College	California	\$71,800.00	\$122,000.00	N/A	\$96,000.00	\$180,000.00	N/A
3	University of California, Berkeley	California	\$59,900.00	\$112,000.00	\$59,500.00	\$81,000.00	\$149,000.00	\$201,000.00
4	Occidental College	California	\$51,900.00	\$105,000.00	N/A	\$54,800.00	\$157,000.00	N/A

### Issues:

- \$ signs in the numerical columns, some data types need changing
- Some N/A Values
- Mid size Dataset, around 300 rows total

# Fixed!

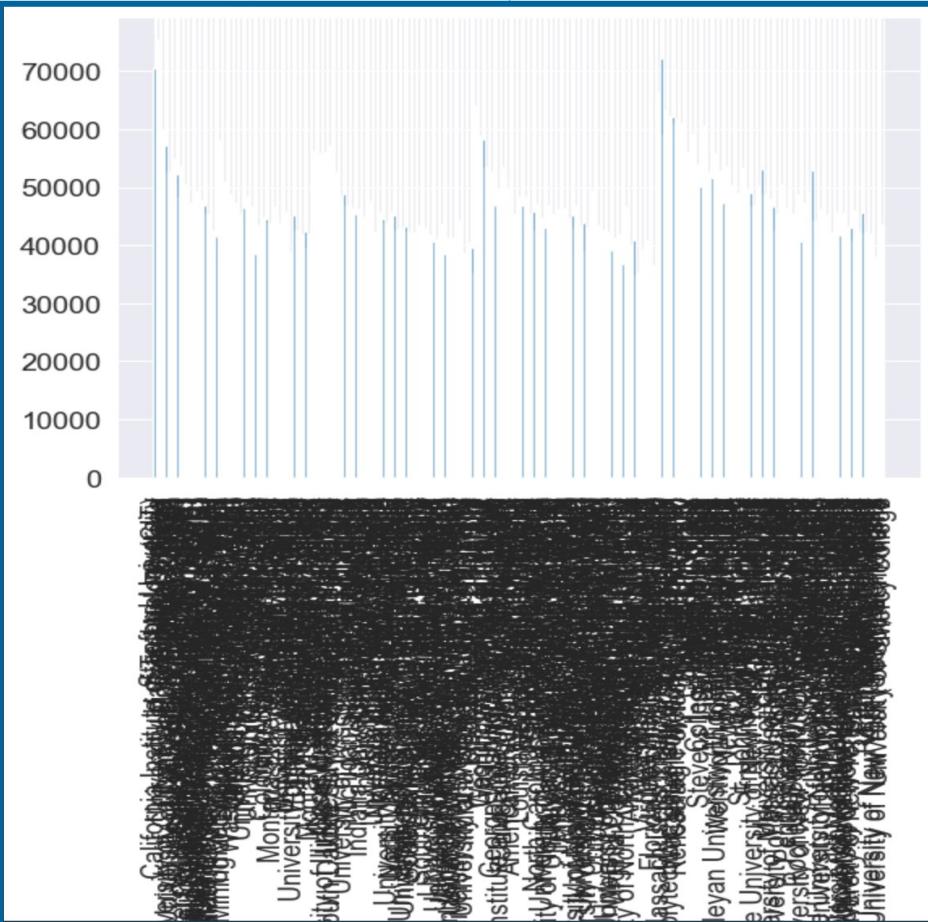
```
> ~
csuDF = df[df['School Name'].str.contains('California State University', na=False)]
csuDF.head()
```

102]

	School Name	Region	Starting Median Salary	Mid-Career Median Salary	Mid-Career 10th Percentile Salary	Mid-Career 90th Percentile Salary
14	California State University (CSU), Chico	California	47400.0	88100.0	46800.0	102000.0
15	California State University, Fullerton (CSUF)	California	45700.0	87000.0	45400.0	98000.0
18	California State University, Long Beach (CSULB)	California	45100.0	84700.0	47400.0	98000.0
19	California State University, East Bay (CSUEB)	California	49200.0	84300.0	46000.0	98000.0
21	California State University, Sacramento (CSUS)	California	47800.0	82400.0	42900.0	98000.0

- Changed columns with numerical values to float
- Dropped unused columns





So... its graphing time!

... this was my first attempt

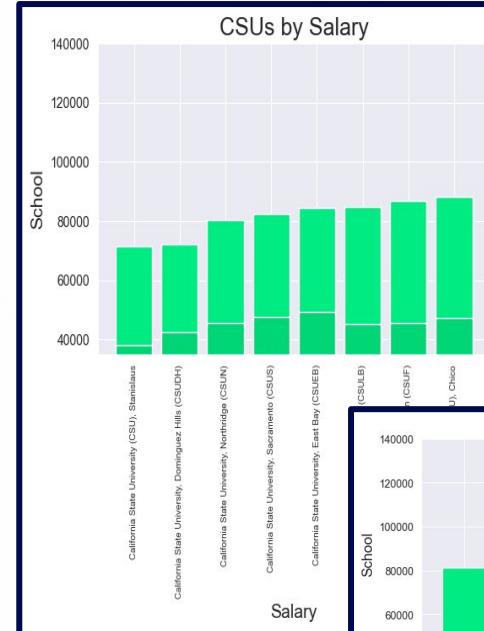
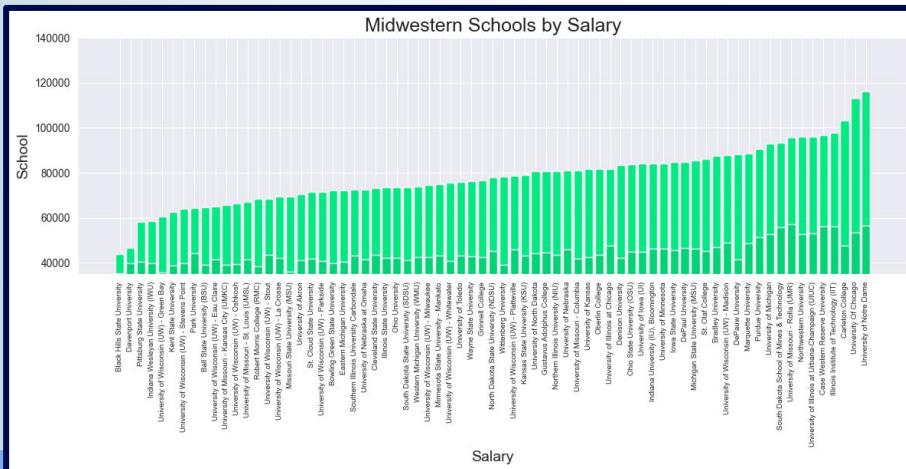
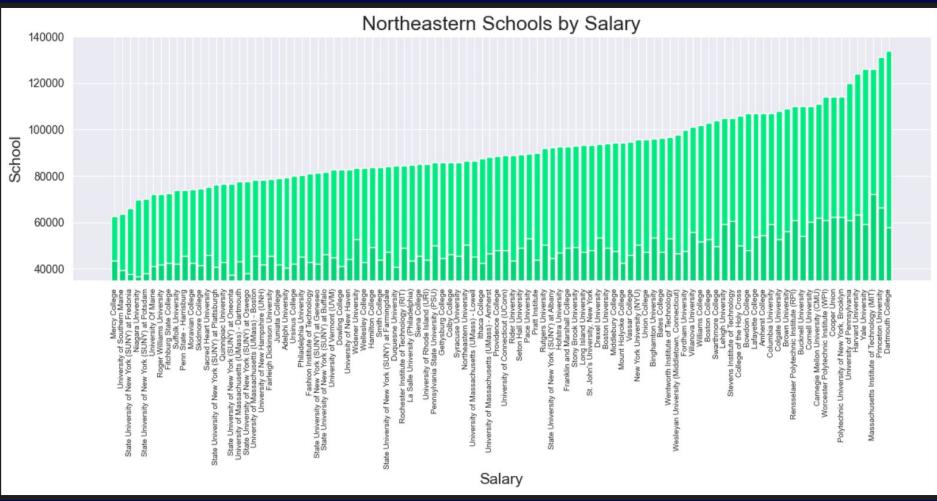
I had some work to do...

# Exploring College By Region

# Thought Process

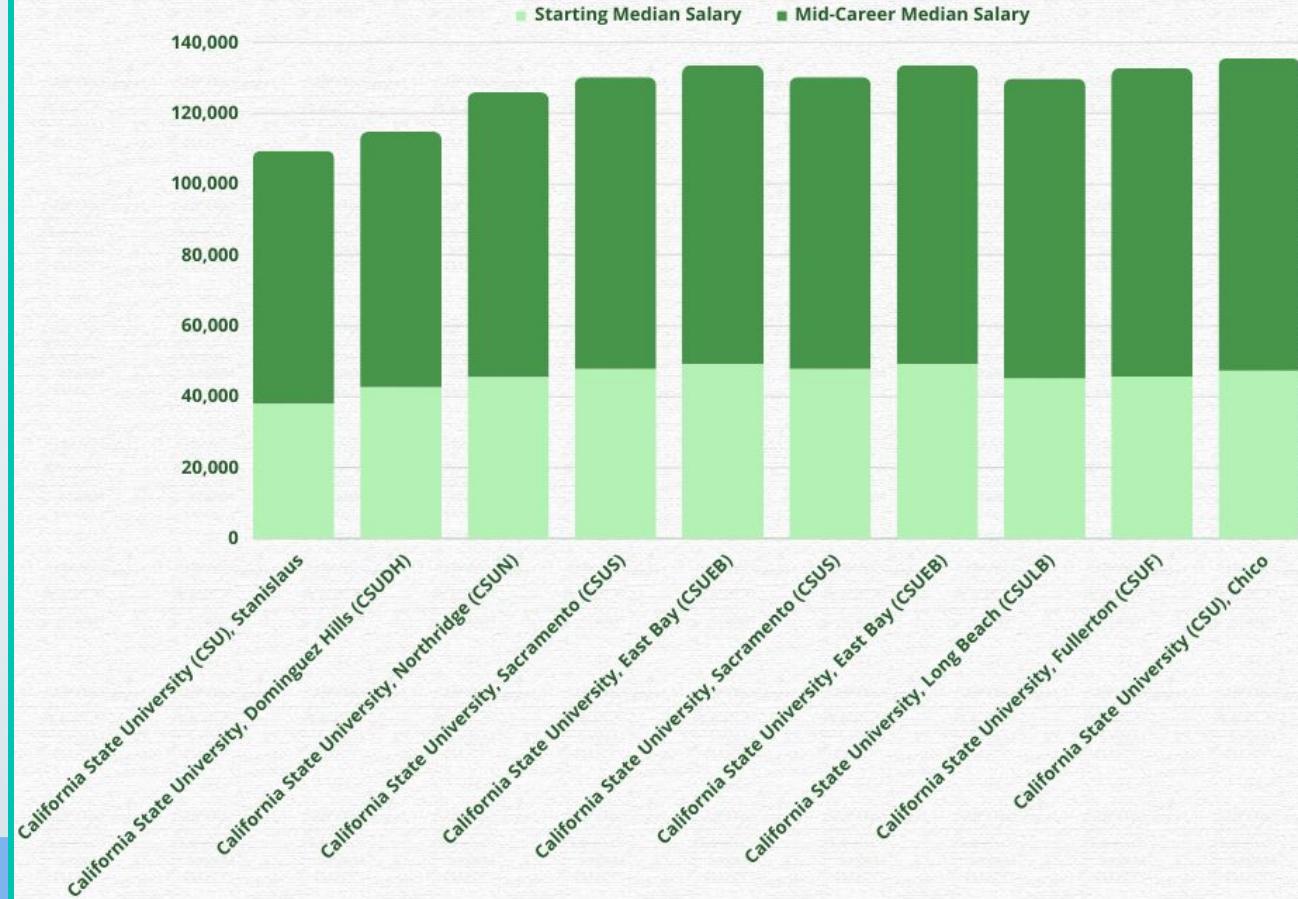
- That graph had lots of data, visualizing it was not effective in this state
- Splitting each entry by region was the best way to go, so I split by
  - CSUs
  - UCs
  - Western
  - Midwestern
  - Southern
  - Northeastern

# Initial Results

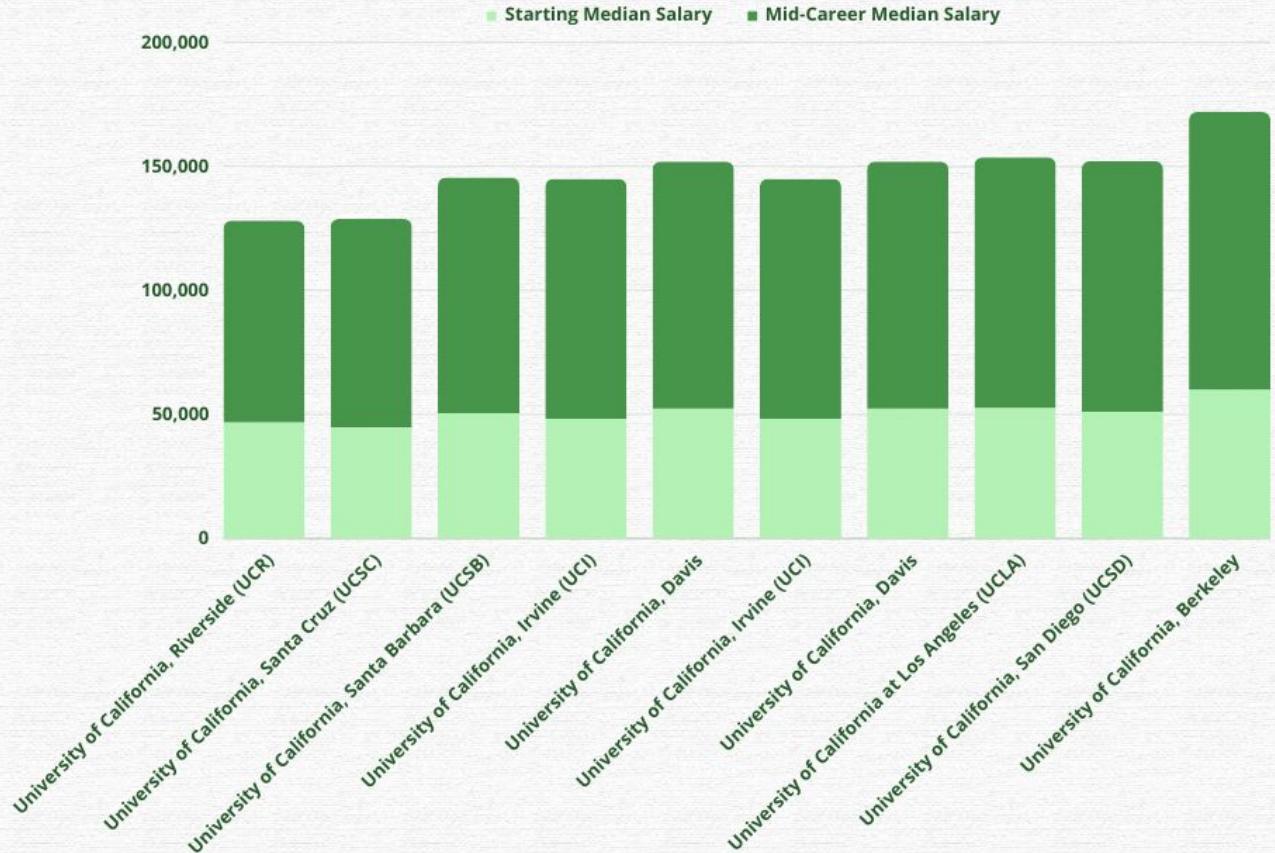


Nice layout, but still too many data points in some graphs

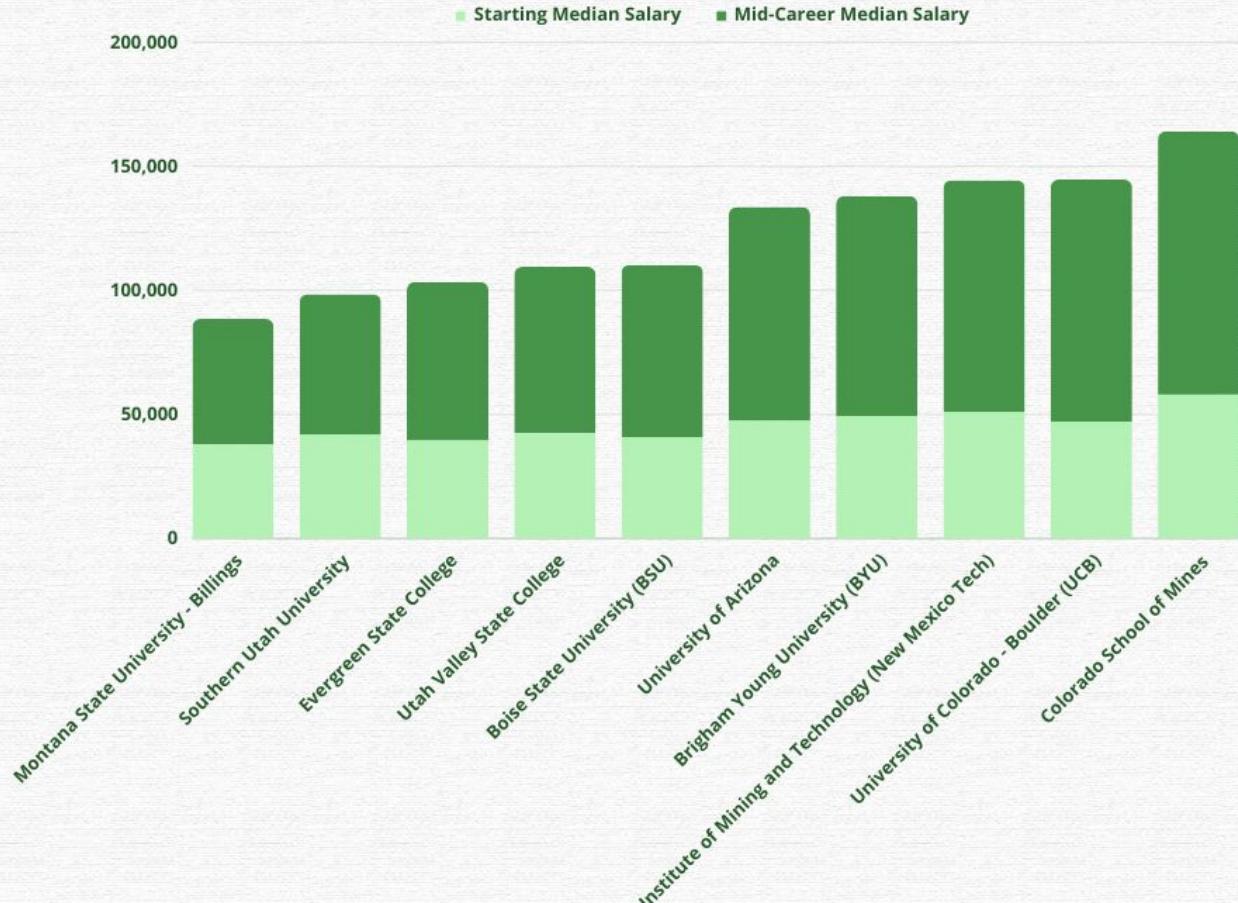
# CSU Salaries



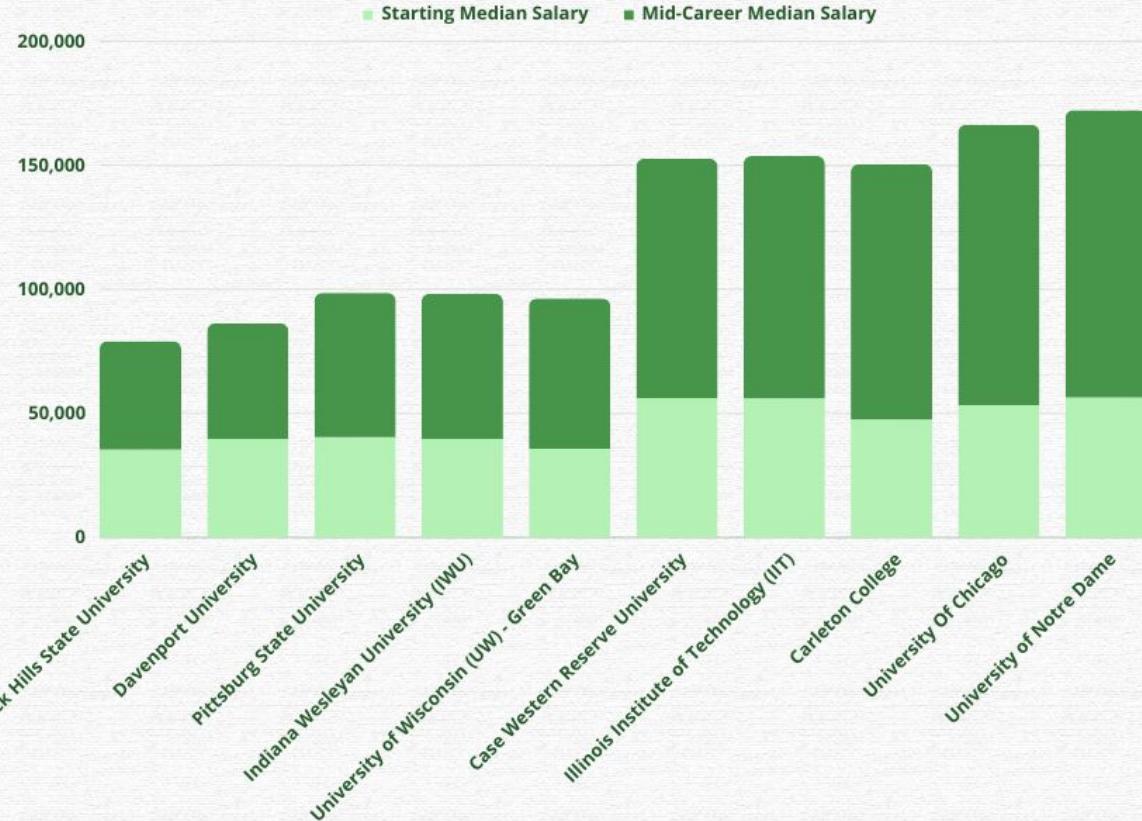
# UC Salaries



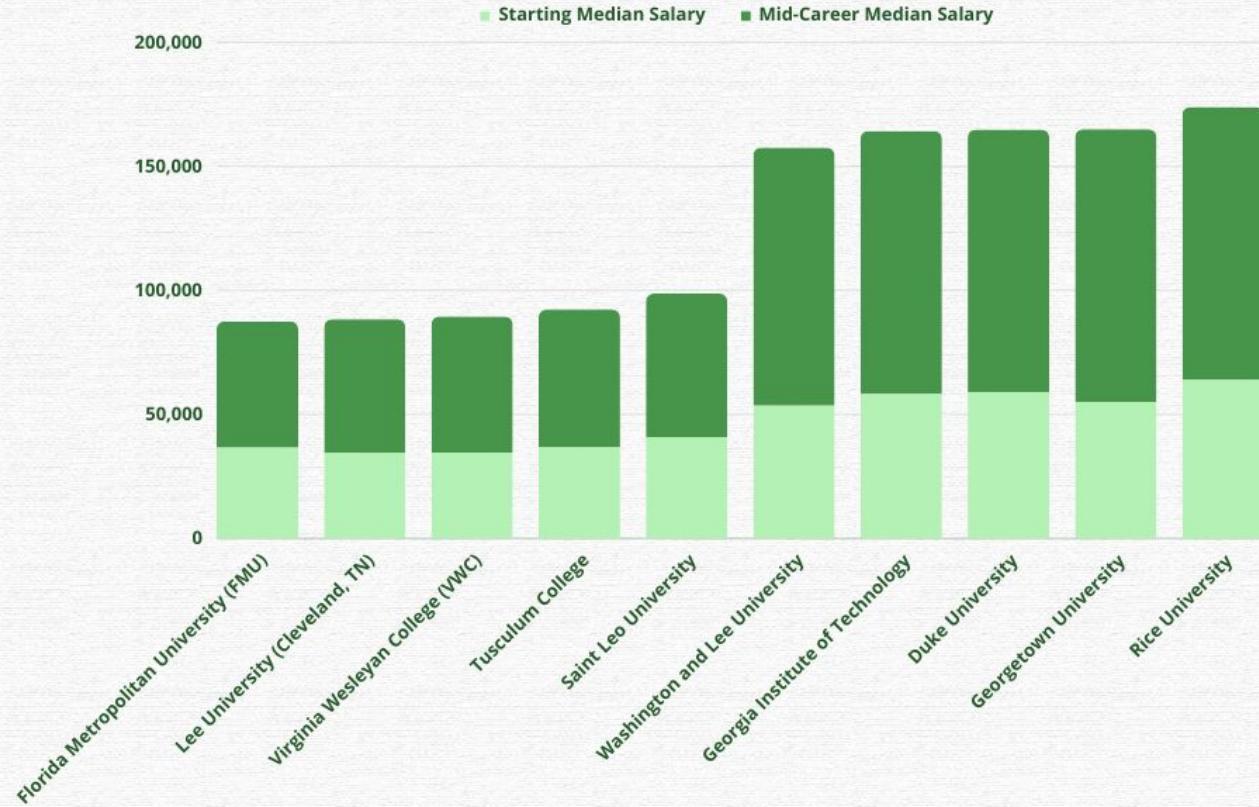
# Western Salaries



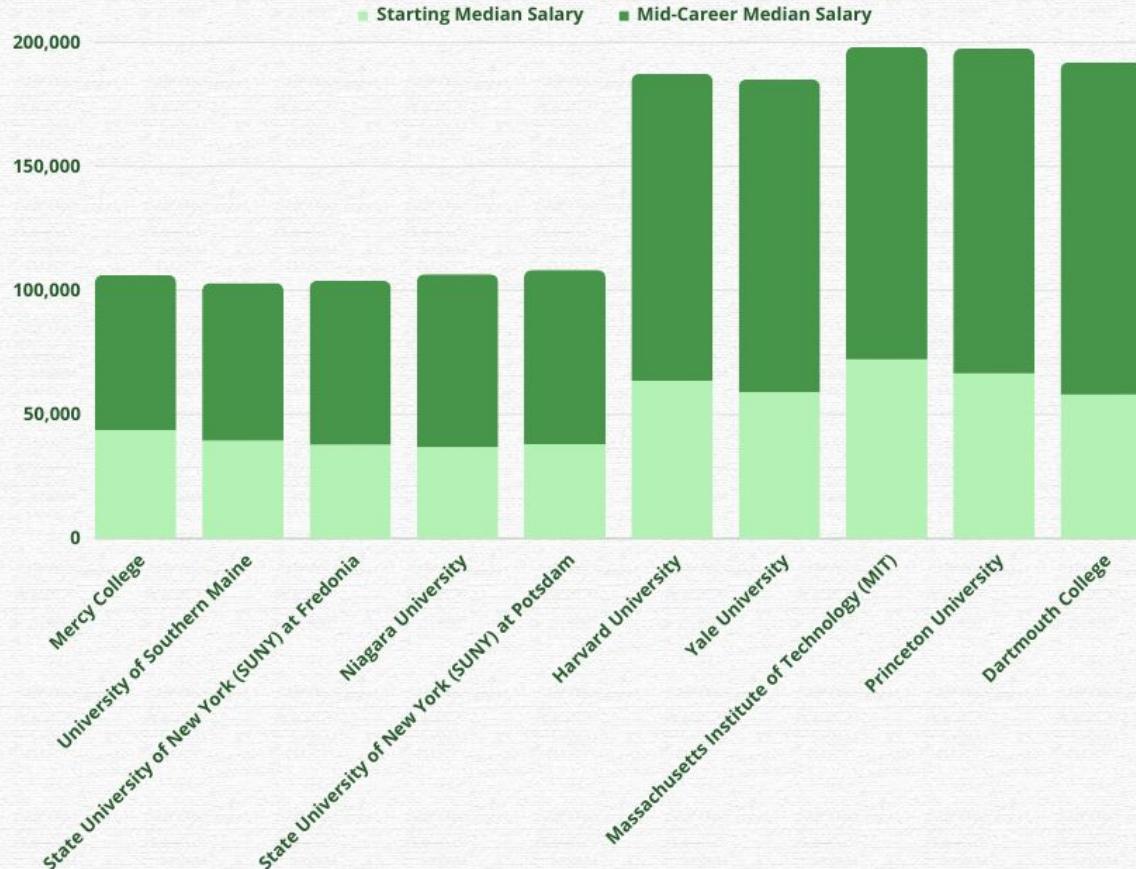
# Midwestern Salaries



# Southern Salaries



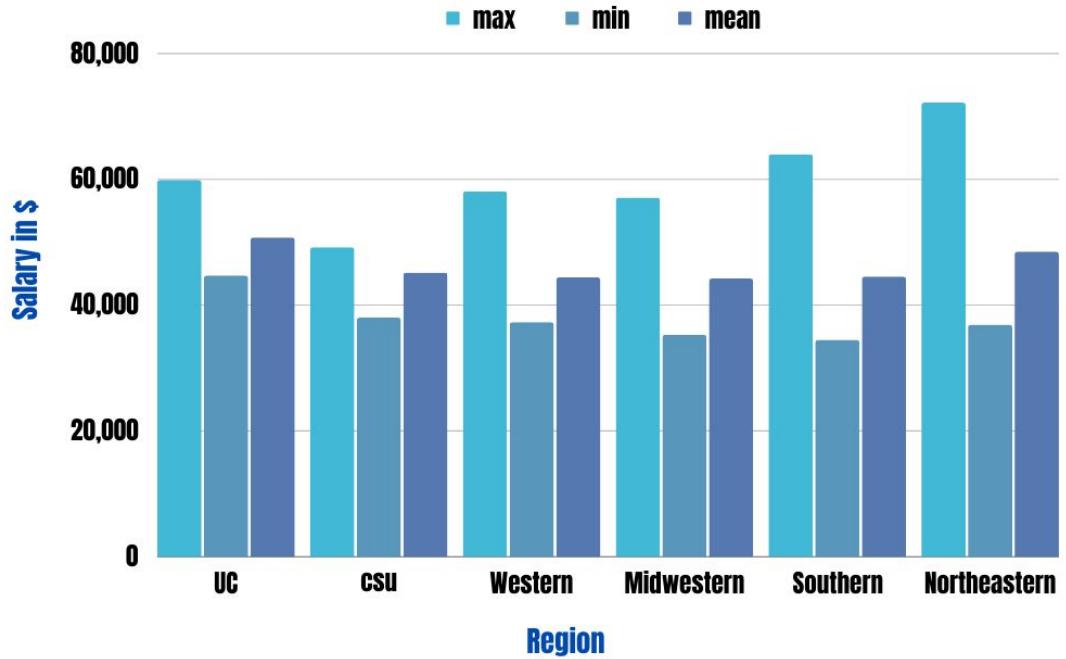
# Northeastern Salaries



# Starting Salary

## College by Region

# STARTING MEDIAN SALARY BY REGION



## Starting Salary Stats

- Northeastern is the clear winner for maximum sal
- UCs do very well on average
- The rest are okay, sitting around 45k / year on average

# Mid-Career Salary

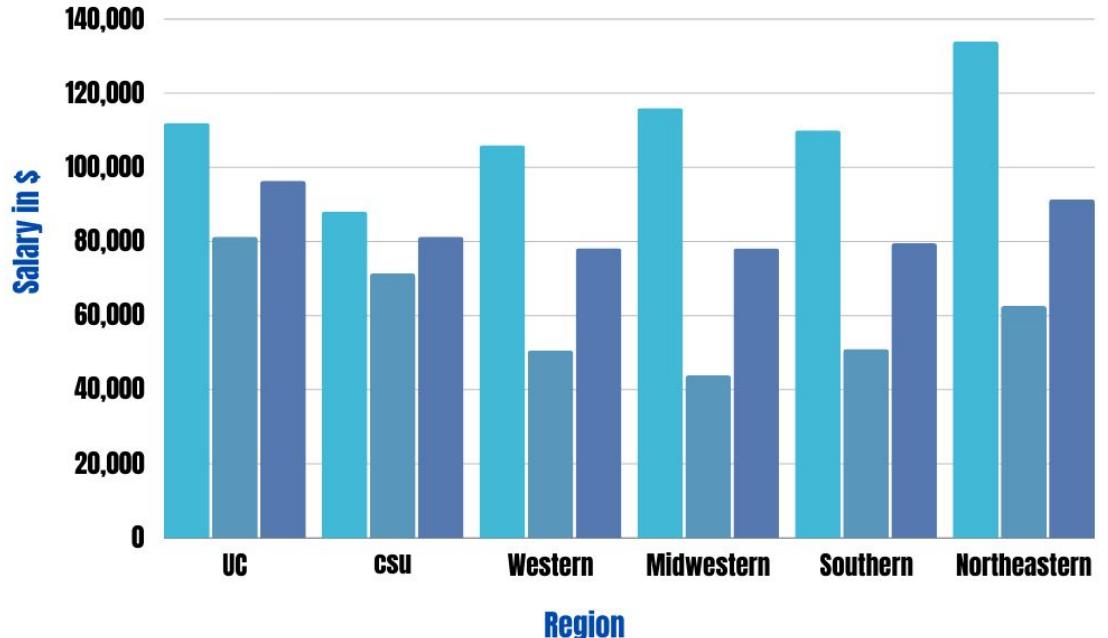
## College by Region

## Mid-Career Salary Stats

- Northeastern schools are still doing the highest at their best school
- Midwestern is the lowest performing region
- CSU's pull ahead a little in the later years

# MID-CAREER MEDIAN SALARY BY REGION

max    min    mean



# **Analysis**

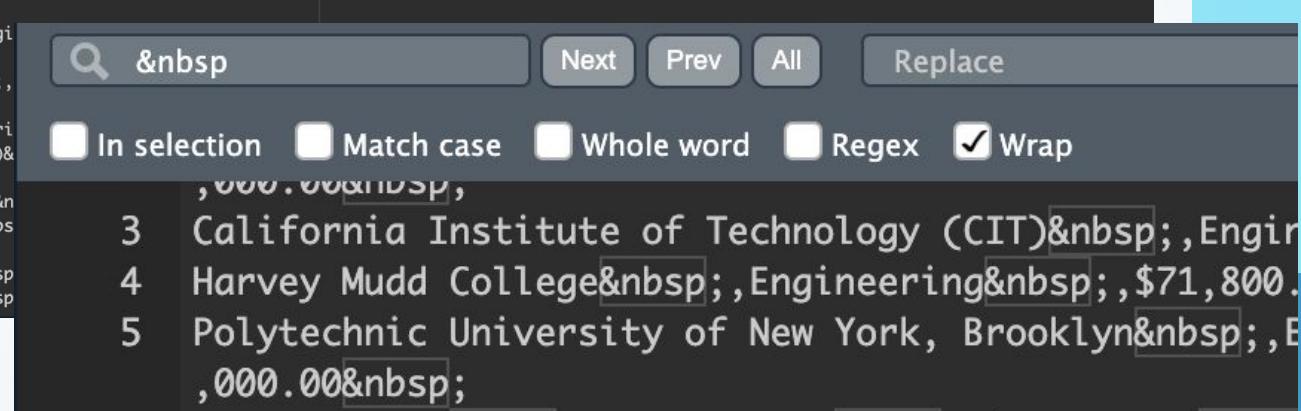
## College By Region

# Takeaways from Salaries by Region

- The northeastern schools the place to be
  - This is probably because a reflection of the many Ivy League Schools in the region
- The UCs are a close second
- The midwestern & southern regions perform the worst
  - This definitely supports things like lower cost of living and lower minimum wage.
- CSUs are right in the middle

# Preparing & Cleaning College Type Data

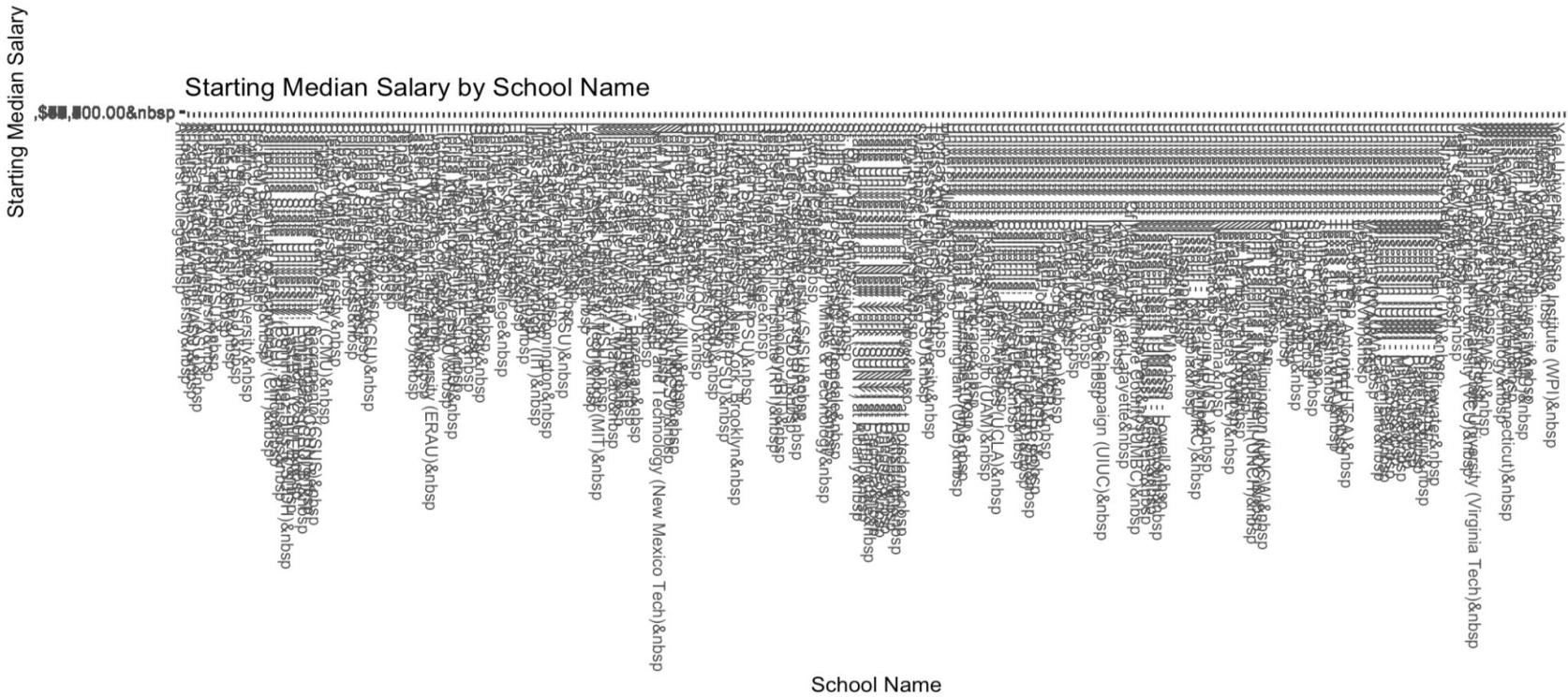
1	School Name,School Type,Starting Median Salary,Mid-Career Median Salary,Mid-Career 10th Percentile Salary,Mid-Career 25th Percentile Salary,Mid-Career 75th Percentile Salary,Mid-Career 90th Percentile Salary
2	Massachusetts Institute of Technology (MIT)&nbsp;,Engineering&nbsp;,\$72,200.00&nbsp;,\$126,000.00&nbsp;,\$76,800.00&nbsp;,\$99,200.00&nbsp;,\$168,000.00&nbsp;,\$220,000.00&nbsp;
3	California Institute of Technology (CIT)&nbsp;,Engineering&nbsp;,\$75,500.00&nbsp;,\$123,000.00&nbsp;,\$104,000.00&nbsp;,\$161,000.00&nbsp;,N/A&nbsp;
4	Harvey Mudd College&nbsp;,Engineering&nbsp;,\$71,800.00&nbsp;,\$122,000.00&nbsp;,N/A&nbsp;,\$96,000.00&nbsp;,\$180,000.00&nbsp;,N/A&nbsp;
5	Polytechnic University of New York, Brooklyn&nbsp;,Engineering&nbsp;,\$62,400.00&nbsp;,\$114,000.00&nbsp;,\$66,800.00&nbsp;,\$94,300.00&nbsp;,\$143,000.00&nbsp;,\$190,000.00&nbsp;
6	Cooper Union&nbsp;,Engineering&nbsp;,\$62,200.00&nbsp;,\$114,000.00&nbsp;,N/A&nbsp;,\$80,200.00&nbsp;,\$142,000.00&nbsp;,N/A&nbsp;
7	Worcester Polytechnic Institute (WPI)&nbsp;,Engineering&nbsp;,\$61,000.00&nbsp;,\$114,000.00&nbsp;,\$80,000.00&nbsp;,\$91,200.00&nbsp;,\$137,000.00&nbsp;,\$180,000.00&nbsp;
8	Carnegie Mellon University (CMU)&nbsp;,Engineering&nbsp;,\$61,800.00&nbsp;,\$111,000.00&nbsp;,\$63,300.00&nbsp;,\$80,100.00&nbsp;,\$150,000.00&nbsp;,\$209,000.00&nbsp;
9	Rensselaer Polytechnic Institute (RPI)&nbsp;,Engineering&nbsp;,\$61,100.00&nbsp;,\$110,000.00&nbsp;,\$71,600.00&nbsp;,\$85,500.00&nbsp;,\$140,000.00&nbsp;,\$182,000.00&nbsp;
10	Georgia Institute of Technology&nbsp;,Engineering&nbsp;,\$58,300.00&nbsp;,\$106,000.00&nbsp;,\$67,200.00&nbsp;,\$85,200.00&nbsp;,\$137,000.00&nbsp;,\$183,000.00&nbsp;
11	Colorado School of Mines&nbsp;,Engineering&nbsp;,\$58,100.00&nbsp;,\$106,000.00&nbsp;,\$62,200.00&nbsp;,\$87,900.00&nbsp;,\$142,000.00&nbsp;,\$201,000.00&nbsp;
12	Stevens Institute of Technology&nbsp;,Engineering&nbsp;,\$60,600.00&nbsp;,\$105,000.00&nbsp;,\$68,700.00&nbsp;,\$81,900.00&nbsp;,\$138,000.00&nbsp;,\$185,000.00&nbsp;
13	Illinois Institute of Technology (IIT)&nbsp;,Engineering&nbsp;,\$56,000.00&nbsp;,\$97,800.00&nbsp;,\$56,100.00&nbsp;,\$77,400.00&nbsp;,\$121,000.00&nbsp;,\$165,000.00&nbsp;
14	Wentworth Institute of Technology&nbsp;,Engineering&nbsp;,\$53,000.00&nbsp;,\$96,700.00&nbsp;,\$55,200.00&nbsp;,\$74,000.00&nbsp;,\$117,000.00&nbsp;,\$153,000.00&nbsp;
15	Virginia Polytechnic Institute and State University (Virginia Tech)&nbsp;,Engineering&nbsp;,\$53,500.00&nbsp;,\$95,400.00&nbsp;,\$50,600.00&nbsp;,\$71,400.00&nbsp;,\$124,000.00&nbsp;,\$163,000.00&nbsp;
16	South Dakota School of Mines & Technology&nbsp;,Engineering&nbsp;,\$55,800.00&nbsp;,\$93,400.00&nbsp;,\$71,500.00&nbsp;,\$81,900.00&nbsp;,\$122,000.00&nbsp;,\$147,000.00&nbsp;
17	New Mexico Institute of Mining and Technology (New Mexico Tech)&nbsp;,Engineering&nbsp;,\$51,000.00&nbsp;,\$93,400.00&nbsp;,N/A&nbsp;,\$67,400.00&nbsp;,\$123,000.00&nbsp;,N/A&nbsp;
18	Rochester Institute of Technology (RIT)&nbsp;,Engi&nbsp;
19	Embry-Riddle Aeronautical University (ERAU)&nbsp;,\$000.00&nbsp;
20	Tennessee Technological University&nbsp;,Engineeri
21	University of Illinois at Urbana-Champaign (UIUC)&,\$000.00&nbsp;
22	University of Maryland, College Park&nbsp;,Party&n
23	University of California, Santa Barbara (UCSB)&nbs
24	University of Texas (UT) - Austin&nbsp;,Party&nbs
25	State University of New York (SUNY) at Albany&nbsp;



1 Massachusetts Institute of Technology (MIT) ;,Engineering ;,72,200.00 ;,126,000.00 ;,76,800.00 ;,99,200.00 ;,168,000.00 ;,220,000.00 ;  
2 California Institute of Technology (CIT) ;,Engineering ;,75,500.00 ;,123,000.00 ;, 0 ;,104,000.00 ;,161,000.00 ;, 0 ;  
3 Harvey Mudd College ;,Engineering ;,71,800.00 ;,122,000.00 ;, 0 ;,96,000.00 ;,180,000.00 ;, 0 ;  
4 Polytechnic University of New York, Brooklyn ;,Engineering ;,62,400.00 ;,114,000.00 ;,66,800.00 ;,94,300.00 ;,143,000.00 ;,190,000.00 ;  
5 Cooper Union ;,Engineering ;,62,200.00 ;,114,000.00 ;, 0 ;,80,200.00 ;,142,000.00 ;, 0 ;  
6 Worcester Polytechnic Institute (WPI) ;,Engineering ;,61,000.00 ;,114,000.00 ;,80,000.00 ;,91,200.00 ;,137,000.00 ;,180,000.00 ;  
7 Carnegie Mellon University (CMU) ;,Engineering ;,61,800.00 ;,111,000.00 ;,63,300.00 ;,80,100.00 ;,150,000.00 ;,209,000.00 ;  
8 Rensselaer Polytechnic Institute (RPI) ;,Engineering ;,61,100.00 ;,110,000.00 ;,71,600.00 ;,85,500.00 ;,140,000.00 ;,182,000.00 ;  
9 Georgia Institute of Technology ;,Engineering ;,58,300.00 ;,106,000.00 ;,67,200.00 ;,85,200.00 ;,137,000.00 ;,183,000.00 ;  
10 Colorado School of Mines ;,Engineering ;,58,100.00 ;,106,000.00 ;,62,200.00 ;,87,900.00 ;,142,000.00 ;,201,000.00 ;  
11 Stevens Institute of Technology ;,Engineering ;,60,600.00 ;,105,000.00 ;,68,700.00 ;,81,900.00 ;,138,000.00 ;,185,000.00 ;  
12 Illinois Institute of Technology (IIT) ;,Engineering ;,56,000.00 ;,97,800.00 ;,56,100.00 ;,77,400.00 ;,121,000.00 ;,165,000.00 ;  
13 Wentworth Institute of Technology ;,Engineering ;,53,000.00 ;,96,700.00 ;,55,200.00 ;,74,000.00 ;,117,000.00 ;,153,000.00 ;  
14 Virginia Polytechnic Institute and State University (Virginia Tech) ;,Engineering ;,53,500.00 ;,95,400.00 ;,50,600.00 ;,71,400.00 ;,124,000.00 ;,163,000.00 ;  
15 South Dakota School of Mines & Technology ;,Engineering ;,55,800.00 ;,93,400.00 ;,71,500.00 ;,81,900.00 ;,122,000.00 ;,147,000.00 ;  
16 New Mexico Institute of Mining and Technology (New Mexico Tech) ;,Engineering ;,51,000.00 ;,93,400.00 ;, 0 ;,67,400.00 ;,123,000.00 ;, 0 ;  
17 Rochester Institute of Technology (RIT) ;,Engineering ;,48,900.00 ;,84,600.00 ;,45,000.00 ;,62,100.00 ;,112,000.00 ;,159,000.00 ;  
18 Embry-Riddle Aeronautical University (ERAU) ;,Engineering ;,52,700.00 ;,80,700.00 ;,49,800.00 ;,64,000.00 ;,106,000.00 ;,142,000.00 ;  
19 Tennessee Technological University ;,Engineering ;,46,200.00 ;,80,000.00 ;,42,100.00 ;,62,600.00 ;,99,500.00 ;,121,000.00 ;  
20 University of Illinois at Urbana-Champaign (UIUC) ;,Party ;,52,900.00 ;,96,100.00 ;,48,200.00 ;,68,900.00 ;,132,000.00 ;,177,000.00 ;  
21 University of Maryland, College Park ;,Party ;,52,000.00 ;,95,000.00 ;,50,400.00 ;,68,300.00 ;,126,000.00 ;,166,000.00 ;  
22 University of California, Santa Barbara (UCSB) ;,Party ;,50,500.00 ;,95,000.00 ;,51,300.00 ;,71,200.00 ;,129,000.00 ;,173,000.00 ;  
23 University of Texas (UT) - Austin ;,Party ;,49,700.00 ;,93,900.00 ;,50,100.00 ;,67,400.00 ;,129,000.00 ;,188,000.00 ;  
24 State University of New York (SUNY) at Albany ;,Party ;,44,500.00 ;,92,200.00 ;,47,000.00 ;,63,100.00 ;,135,000.00 ;,209,000.00 ;  
25 University of Florida (UF) ;,Party ;,47,100.00 ;,87,900.00 ;,45,400.00 ;,62,900.00 ;,120,000.00 ;,172,000.00 ;  
26 Louisiana State University (LSU) ;,Party ;,46,900.00 ;,87,800.00 ;,43,700.00 ;,61,300.00 ;,120,000.00 ;,165,000.00 ;  
27 University of Georgia (UGA) ;,Party ;,44,100.00 ;,86,000.00 ;,43,100.00 ;,57,800.00 ;,118,000.00 ;,164,000.00 ;  
28 Pennsylvania State University (PSU) ;,Party ;,49,900.00 ;,85,700.00 ;,46,300.00 ;,62,000.00 ;,117,000.00 ;,160,000.00 ;  
29 Arizona State University (ASU) ;,Party ;,47,400.00 ;,84,100.00 ;,44,600.00 ;,60,700.00 ;,114,000.00 ;,163,000.00 ;  
30 Indiana University (IU), Bloomington ;,Party ;,46,300.00 ;,84,000.00 ;,43,600.00 ;,60,400.00 ;,119,000.00 ;,178,000.00 ;  
31 University of Iowa (UI) ;,Party ;,44,700.00 ;,83,900.00 ;,43,300.00 ;,61,100.00 ;,116,000.00 ;,163,000.00 ;  
32 Randolph-Macon College ;,Party ;,42,600.00 ;,83,600.00 ;, 0 ;,54,100.00 ;,123,000.00 ;, 0 ;  
33 University of Alabama, Tuscaloosa ;,Party ;,41,300.00 ;,81,400.00 ;,40,100.00 ;,56,500.00 ;,117,000.00 ;,161,000.00 ;  
34 University of Mississippi ;,Party ;,41,400.00 ;,79,700.00 ;,40,400.00 ;,53,500.00 ;,108,000.00 ;,186,000.00 ;  
35 University of New Hampshire (UNH) ;,Party ;,41,800.00 ;,78,300.00 ;,41,700.00 ;,56,400.00 ;,114,000.00 ;,147,000.00 ;  
36 West Virginia University (WVU) ;,Party ;,43,100.00 ;,78,100.00 ;,39,700.00 ;,55,700.00 ;,106,000.00 ;,141,000.00 ;  
37 University of Tennessee ;,Party ;,43,800.00 ;,74,600.00 ;,41,900.00 ;,53,200.00 ;,106,000.00 ;,153,000.00 ;  
38 Ohio University ;,Party ;,42,200.00 ;,73,400.00 ;,36,600.00 ;,52,800.00 ;,106,000.00 ;,150,000.00 ;

▲	V1	V2	V3	V4	V5	V6	V7	V8	V9
1	School Name,School Type,Starting Median Salary,Mid-...		NA						NA
2	Massachusetts Institute of Technology (MIT)	,Engineering	72200	,126,000.00	,76,800.00	,99,200.00	,168,000.00	,220,000.00	NA
3	California Institute of Technology (CIT)	,Engineering	75500	,123,000.00	,N/A	,104,000.00	,161,000.00	,N/A	NA
4	Harvey Mudd College	,Engineering	71800	,122,000.00	,N/A	,96,000.00	,180,000.00	,N/A	NA
5	Polytechnic University of New York, Brooklyn	,Engineering	62400	,114,000.00	,66,800.00	,94,300.00	,143,000.00	,190,000.00	NA
6	Cooper Union	,Engineering	62200	,114,000.00	,N/A	,80,200.00	,142,000.00	,N/A	NA
7	Worcester Polytechnic Institute (WPI)	,Engineering	61000	,114,000.00	,80,000.00	,91,200.00	,137,000.00	,180,000.00	NA
8	Carnegie Mellon University (CMU)	,Engineering	61800	,111,000.00	,63,300.00	,80,100.00	,150,000.00	,209,000.00	NA
9	Rensselaer Polytechnic Institute (RPI)	,Engineering	61100	,110,000.00	,71,600.00	,85,500.00	,140,000.00	,182,000.00	NA
10	Georgia Institute of Technology	,Engineering	58300	,106,000.00	,67,200.00	,85,200.00	,137,000.00	,183,000.00	NA
11	Colorado School of Mines	,Engineering	58100	,106,000.00	,62,200.00	,87,900.00	,142,000.00	,201,000.00	NA
12	Stevens Institute of Technology	,Engineering	60600	,105,000.00	,62,200.00	81,900.00	,138,000.00	,185,000.00	NA
13	Illinois Institute of Technology (IIT)	,Engineering	56000	,97,800.00	,56,100.00	,77,400.00	,121,000.00	,165,000.00	NA
14	Wentworth Institute of Technology	,Engineering	53000	,96,700.00	,55,200.00	,74,000.00	,117,000.00	,153,000.00	NA
15	Virginia Polytechnic Institute and State University (Vir...	,Engineering	53500	,95,400.00	,50,600.00	,71,400.00	,124,000.00	,163,000.00	NA
16	South Dakota School of Mines & Technology	,Engineering	55800	,93,400.00	,71,500.00	,81,900.00	,122,000.00	,147,000.00	NA
17	New Mexico Institute of Mining and Technology (New ...	,Engineering	51000	,93,400.00	,N/A	,67,400.00	,123,000.00	,N/A	NA
18	Rochester Institute of Technology (RIT)	,Engineering	48900	,84,600.00	,45,000.00	,62,100.00	,112,000.00	,159,000.00	NA
19	Embry-Riddle Aeronautical University (ERAU)	,Engineering	52700	,80,700.00	,49,800.00	,64,000.00	,106,000.00	,142,000.00	NA
20	Tennessee Technological University	,Engineering	46200	,80,000.00	,42,100.00	,62,600.00	,99,500.00	,121,000.00	NA
21	University of Illinois at Urbana-Champaign (UIUC)	,Party	52900	,96,100.00	,48,200.00	,68,900.00	,132,000.00	,177,000.00	NA
22	University of Maryland, College Park	,Party	52000	,95,000.00	,50,400.00	,68,300.00	,126,000.00	,166,000.00	NA
23	University of California, Santa Barbara (UCSB)	,Party	50500	,95,000.00	,51,300.00	,71,200.00	,129,000.00	,173,000.00	NA
24	University of Texas (UT) – Austin	,Party	49700	,93,900.00	,50,100.00	,67,400.00	,129,000.00	,188,000.00	NA
25	State University of New York (SUNY) at Albany	,Party	44500	,92,200.00	,47,000.00	,63,100.00	,135,000.00	,209,000.00	NA
26	University of Florida (UF)	,Party	47100	,87,900.00	,45,400.00	,62,900.00	,120,000.00	,172,000.00	NA
27	Louisiana State University (LSU)	,Party	46900	,87,800.00	,43,700.00	,61,300.00	,120,000.00	,165,000.00	NA





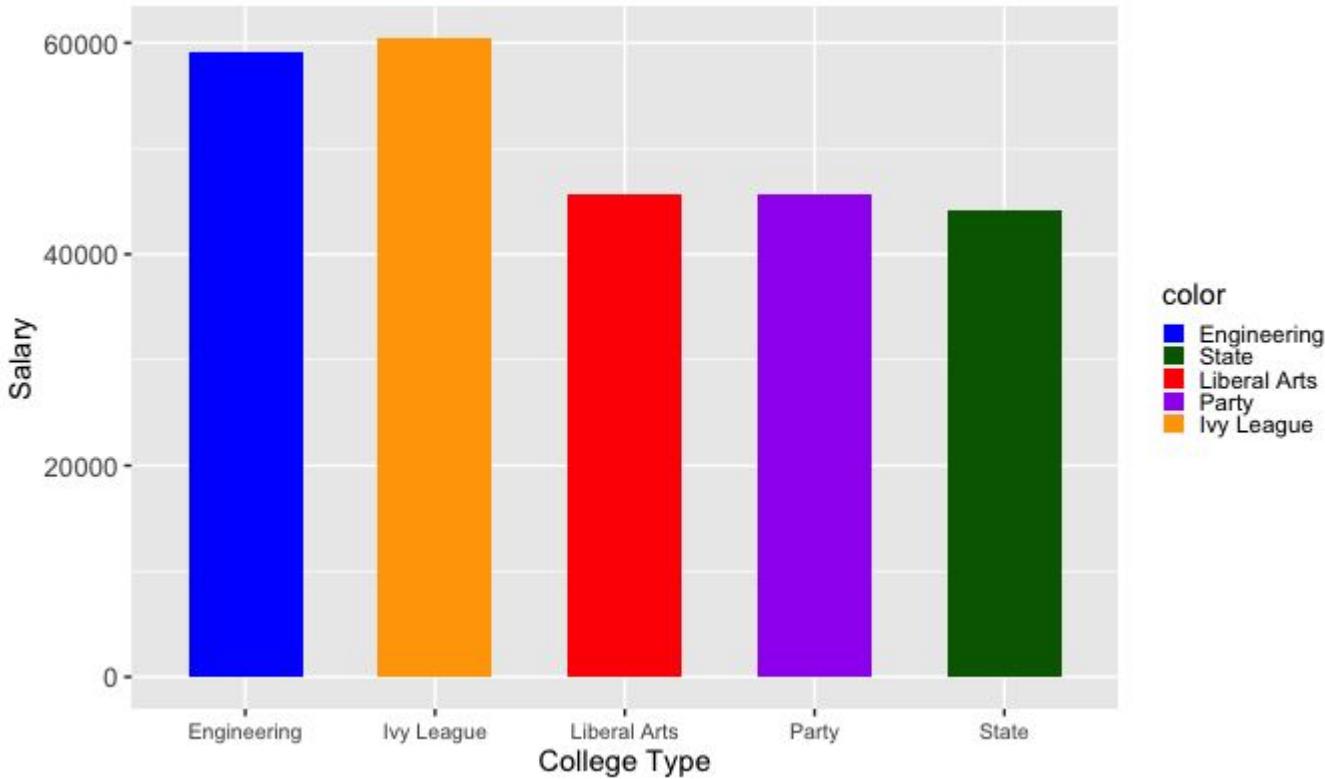
# Exploring College Type Data

V1	V2	V3	V4	V5	V6	V7	V8	V9
1 School Name,School Type,Starting Median Salary,Mid-...		NA						NA
2 Massachusetts Institute of Technology (MIT)	,Engineering	72200	,126,000.00	,76,800.00	,99,200.00	,168,000.00	,220,000.00	NA
3 California Institute of Technology (CIT)	,Engineering	75500	,123,000.00	,N/A	,104,000.00	,161,000.00	,N/A	NA
4 Harvey Mudd College	,Engineering	71800	,122,000.00	,N/A	,96,000.00	,180,000.00	,N/A	NA
5 Polytechnic University of New York, Brooklyn	,Engineering	62400	,114,000.00	,66,800.00	,94,300.00	,143,000.00	,190,000.00	NA
6 Cooper Union	,Engineering	62200	,114,000.00	,N/A	,80,200.00	,142,000.00	,N/A	NA
7 Worcester Polytechnic Institute (WPI)	,Engineering	61000	,114,000.00	,80,000.00	,91,200.00	,137,000.00	,180,000.00	NA
8 Carnegie Mellon University (CMU)	,Engineering	61800	,111,000.00	,63,300.00	,80,100.00	,150,000.00	,209,000.00	NA
9 Rensselaer Polytechnic Institute (RPI)	,Engineering	61100	,110,000.00	,71,600.00	,85,500.00	,140,000.00	,182,000.00	NA
10 Georgia Institute of Technology	,Engineering	58300	,106,000.00	,67,200.00	,85,200.00	,137,000.00	,183,000.00	NA
11 Colorado School of Mines	,Engineering	58100	,106,000.00	,62,200.00	,87,900.00	,142,000.00	,201,000.00	NA
12 Stevens Institute of Technology	,Engineering	60600	,105,000.00	,62,200.00	,81,900.00	,138,000.00	,185,000.00	NA
13 Illinois Institute of Technology (IIT)	,Engineering	56000	,97,800.00	,56,100.00	,77,400.00	,121,000.00	,165,000.00	NA
14 Wentworth Institute of Technology	,Engineering	53000	,96,700.00	,55,200.00	,74,000.00	,117,000.00	,153,000.00	NA
15 Virginia Polytechnic Institute and State University (Vir...	,Engineering	53500	,95,400.00	,50,600.00	,71,400.00	,124,000.00	,163,000.00	NA
16 South Dakota School of Mines & Technology	,Engineering	55800	,93,400.00	,71,500.00	,81,900.00	,122,000.00	,147,000.00	NA
17 New Mexico Institute of Mining and Technology (New ...	,Engineering	51000	,93,400.00	,N/A	,67,400.00	,123,000.00	,N/A	NA
18 Rochester Institute of Technology (RIT)	,Engineering	48900	,84,600.00	,45,000.00	,62,100.00	,112,000.00	,159,000.00	NA
19 Embry-Riddle Aeronautical University (ERAU)	,Engineering	52700	,80,700.00	,49,800.00	,64,000.00	,106,000.00	,142,000.00	NA
20 Tennessee Technological University	,Engineering	46200	,80,000.00	,42,100.00	,62,600.00	,99,500.00	,121,000.00	NA
21 University of Illinois at Urbana-Champaign (UIUC)	,Party	52900	,96,100.00	,48,200.00	,68,900.00	,132,000.00	,177,000.00	NA
22 University of Maryland, College Park	,Party	52000	,95,000.00	,50,400.00	,68,300.00	,126,000.00	,166,000.00	NA
23 University of California, Santa Barbara (UCSB)	,Party	50500	,95,000.00	,51,300.00	,71,200.00	,129,000.00	,173,000.00	NA
24 University of Texas (UT) – Austin	,Party	49700	,93,900.00	,50,100.00	,67,400.00	,129,000.00	,188,000.00	NA
25 State University of New York (SUNY) at Albany	,Party	44500	,92,200.00	,47,000.00	,63,100.00	,135,000.00	,209,000.00	NA
26 University of Florida (UF)	,Party	47100	,87,900.00	,45,400.00	,62,900.00	,120,000.00	,172,000.00	NA
27 Louisiana State University (LSU)	,Party	46900	,87,800.00	,43,700.00	,61,300.00	,120,000.00	,165,000.00	NA

# Starting Salary

## By College Type

### Starting-Career Mean Salary by School Type



## Starting Salary Stats

**Engineering - \$59,057.89**  
**Ivy League - \$60,475**  
**Liberal Arts - \$45,746.81**  
**Party - \$45,715**  
**State - \$44,126.29**

# Mid-Career Salary

## By College Type

## Mid-Career Salary Stats

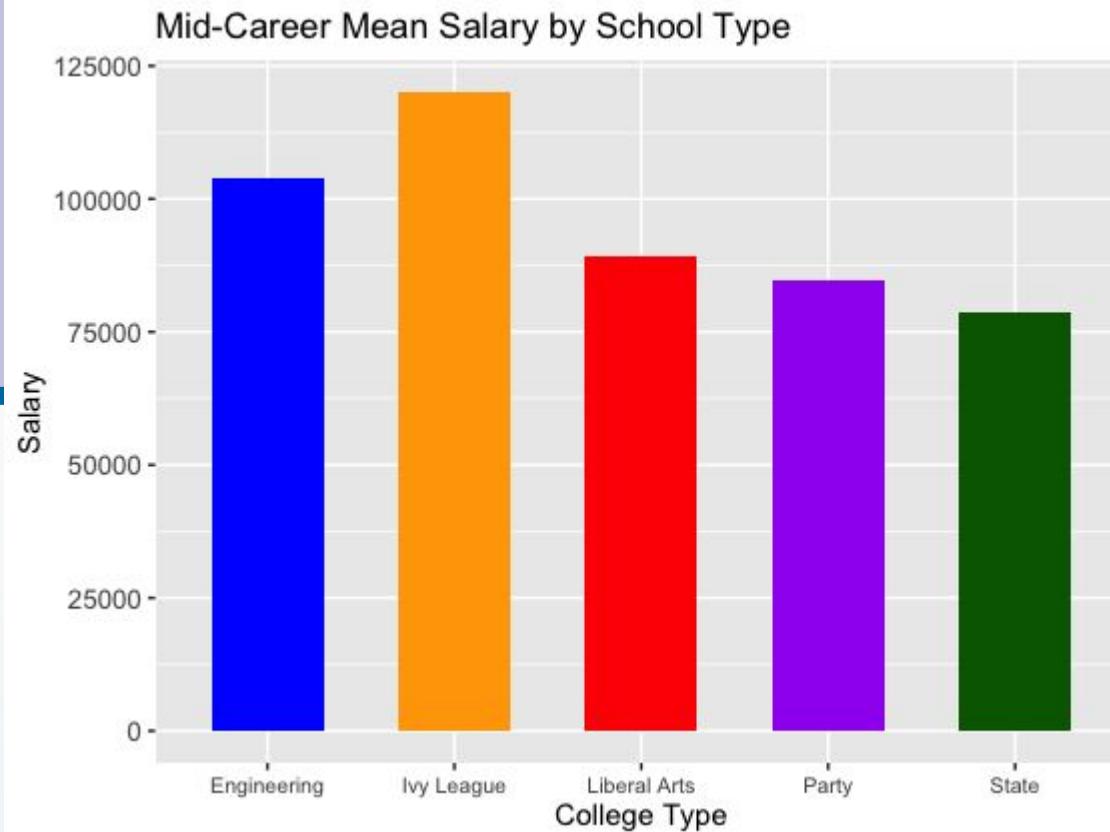
**Engineer - \$103,842.10**

**Ivy League - \$120,125**

**Liberal Arts - \$89,378.72**

**Party - \$84,685**

**State - \$78,567.43**



# **Analysis**

## By College Type

# Takeaways from Salaries by College Type

- Ivy League universities should statistically give you the best salary for your education
- Graduating from a specialized/career-focus college will bring in a higher income than the average state universities
- State universities (personally) surprised me as the lowest salaries for college types
- Don't underestimate the Party schools

# **Preparing & Cleaning**

## Salaries by College Major

1	Undergraduate Major,Starting Median Salary,Mid-Career Median Salary,Percent change from Starting to Mid-Career Salary,Mid-Career 10th Percentile Salary ,Mid-Career 25th Percentile Salary,Mid-Career 75th Percentile Salary,Mid-Career 90th Percentile Salary
2	Accounting ,\$46,000.00 ,,\$77,100.00 ,67.6 ,,\$42,200.00 ,,\$56,100.00 ,,\$108,000.00 ,,\$152,000.00
3	Aerospace Engineering ,\$57,700.00 ,,\$101,000.00 ,75.0 ,,\$64,300.00 ,,\$82,100.00 ,,\$127,000.00 ,,\$161,000.00
4	Agriculture ,\$42,600.00 ,,\$71,900.00 ,68.8 ,,\$36,300.00 ,,\$52,100.00 ,,\$96,300.00 ,,\$150,000.00
5	Anthropology ,\$36,800.00 ,,\$61,500.00 ,67.1 ,,\$33,800.00 ,,\$45,500.00 ,,\$89,300.00 ,,\$138,000.00
6	Architecture ,\$41,600.00 ,,\$76,800.00 ,84.6 ,,\$50,600.00 ,,\$62,200.00 ,,\$97,000.00 ,,\$136,000.00
7	Art History ,\$35,800.00 ,,\$64,900.00 ,81.3 ,,\$28,800.00 ,,\$42,200.00 ,,\$87,400.00 ,,\$125,000.00
8	Biology ,\$38,800.00 ,,\$64,800.00 ,67.0 ,,\$36,900.00 ,,\$47,400.00 ,,\$94,500.00 ,,\$135,000.00
9	Business Management ,\$43,000.00 ,,\$72,100.00 ,67.7 ,,\$38,800.00 ,,\$51,500.00 ,,\$102,000.00 ,,\$147,000.00
10	Chemical Engineering ,\$63,200.00 ,,\$107,000.00 ,69.3 ,,\$71,900.00 ,,\$87,300.00 ,,\$143,000.00 ,,\$194,000.00
11	Chemistry ,\$42,600.00 ,,\$79,900.00 ,87.6 ,,\$45,300.00 ,,\$60,700.00 ,,\$108,000.00 ,,\$148,000.00
12	Civil Engineering ,\$53,900.00 ,,\$90,500.00 ,67.9 ,,\$63,400.00 ,,\$75,100.00 ,,\$115,000.00 ,,\$148,000.00
13	Communications ,\$38,100.00 ,,\$70,000.00 ,83.7 ,,\$37,500.00 ,,\$49,700.00 ,,\$98,800.00 ,,\$143,000.00
14	Computer Engineering ,\$61,400.00 ,,\$105,000.00 ,71.0 ,,\$66,100.00 ,,\$84,100.00 ,,\$135,000.00 ,,\$162,000.00
15	Computer Science ,\$55,900.00 ,,\$95,500.00 ,70.8 ,,\$56,000.00 ,,\$74,900.00 ,,\$122,000.00 ,,\$154,000.00
16	Construction ,\$53,700.00 ,,\$88,900.00 ,65.5 ,,\$56,300.00 ,,\$68,100.00 ,,\$118,000.00 ,,\$171,000.00
17	Criminal Justice ,\$35,000.00 ,,\$56,300.00 ,60.9 ,,\$32,200.00 ,,\$41,600.00 ,,\$80,700.00 ,,\$107,000.00
18	Drama ,\$35,900.00 ,,\$56,900.00 ,58.5 ,,\$36,700.00 ,,\$41,300.00 ,,\$79,100.00 ,,\$153,000.00
19	Economics ,\$50,100.00 ,,\$98,600.00 ,96.8 ,,\$50,600.00 ,,\$70,600.00 ,,\$145,000.00 ,,\$210,000.00
20	Education ,\$34,900.00 ,,\$52,000.00 ,49.0 ,,\$29,300.00 ,,\$37,900.00 ,,\$73,400.00 ,,\$102,000.00
21	Electrical Engineering ,\$60,900.00 ,,\$103,000.00 ,69.1 ,,\$69,300.00 ,,\$83,800.00 ,,\$130,000.00 ,,\$168,000.00
22	English ,\$38,000.00 ,,\$64,700.00 ,70.3 ,,\$33,400.00 ,,\$44,800.00 ,,\$93,200.00 ,,\$133,000.00
23	Film ,\$37,900.00 ,,\$68,500.00 ,80.7 ,,\$33,900.00 ,,\$45,500.00 ,,\$100,000.00 ,,\$136,000.00
24	Finance ,\$47,900.00 ,,\$88,300.00 ,84.3 ,,\$47,200.00 ,,\$62,100.00 ,,\$128,000.00 ,,\$195,000.00
25	Forestry ,\$39,100.00 ,,\$62,600.00 ,60.1 ,,\$41,000.00 ,,\$49,300.00 ,,\$78,200.00 ,,\$111,000.00
26	Geography ,\$41,200.00 ,,\$65,500.00 ,59.0 ,,\$40,000.00 ,,\$50,000.00 ,,\$90,800.00 ,,\$132,000.00
27	Geology ,\$43,500.00 ,,\$79,500.00 ,82.8 ,,\$45,000.00 ,,\$59,600.00 ,,\$101,000.00 ,,\$156,000.00
28	Graphic Design ,\$35,700.00 ,,\$59,800.00 ,67.5 ,,\$36,000.00 ,,\$45,500.00 ,,\$80,800.00 ,,\$112,000.00
29	Health Care Administration ,,\$38,800.00 ,,\$60,600.00 ,56.2 ,,\$34,600.00 ,,\$45,600.00 ,,\$78,800.00 ,,\$101,000.00
30	History ,\$39,200.00 ,,\$71,000.00 ,81.1 ,,\$37,000.00 ,,\$49,200.00 ,,\$103,000.00 ,,\$149,000.00
31	Hospitality & Tourism ,,\$37,800.00 ,,\$57,500.00 ,52.1 ,,\$35,500.00 ,,\$43,600.00 ,,\$81,900.00 ,,\$124,000.00
32	Industrial Engineering ,,\$57,700.00 ,,\$94,700.00 ,64.1 ,,\$57,100.00 ,,\$72,300.00 ,,\$132,000.00 ,,\$173,000.00
33	Information Technology (IT) ,,\$49,100.00 ,,\$74,800.00 ,52.3 ,,\$44,500.00 ,,\$56,700.00 ,,\$96,700.00 ,,\$129,000.00
34	Interior Design ,,\$36,100.00 ,,\$53,200.00 ,47.4 ,,\$35,700.00 ,,\$42,600.00 ,,\$72,500.00 ,,\$107,000.00
35	International Relations ,,\$40,900.00 ,,\$80,900.00 ,97.8 ,,\$38,200.00 ,,\$56,000.00 ,,\$111,000.00 ,,\$157,000.00
36	Journalism ,,\$35,600.00 ,,\$66,700.00 ,87.4 ,,\$38,400.00 ,,\$48,300.00 ,,\$97,700.00 ,,\$145,000.00
37	Management Information Systems (MIS) ,,\$49,200.00 ,,\$82,300.00 ,67.3 ,,\$45,300.00 ,,\$60,500.00 ,,\$108,000.00 ,,\$146,000.00
38	Marketing ,,\$40,800.00 ,,\$79,600.00 ,95.1 ,,\$42,100.00 ,,\$55,600.00 ,,\$119,000.00 ,,\$175,000.00
39	Math ,,\$45,400.00 ,,\$92,400.00 ,103.5 ,,\$45,200.00 ,,\$64,200.00 ,,\$128,000.00 ,,\$183,000.00
40	Mechanical Engineering ,,\$57,900.00 ,,\$93,600.00 ,61.7 ,,\$63,700.00 ,,\$76,200.00 ,,\$120,000.00 ,,\$163,000.00
41	Music ,,\$35,900.00 ,,\$55,000.00 ,53.2 ,,\$26,700.00 ,,\$40,200.00 ,,\$88,000.00 ,,\$134,000.00
42	Nursing ,,\$54,200.00 ,,\$67,000.00 ,23.6 ,,\$47,600.00 ,,\$56,400.00 ,,\$80,900.00 ,,\$98,300.00
43	Nutrition ,,\$30,000.00 ,,\$55,300.00 ,28.6 ,,\$23,000.00 ,,\$41,500.00 ,,\$70,500.00 ,,\$90,200.00

	<b>Undergraduate Major</b>	<b>Starting Median Salary</b>	<b>Mid-Career Median Salary</b>	<b>Percent change from Starting to Mid-Career Salary</b>	<b>Mid-Career 10th Percentile Salary</b>	<b>Mid-Career 25th Percentile Salary</b>	<b>Mid-Career 75th Percentile Salary</b>	<b>Mid-Career 90th Percentile Salary</b>
1	Accounting	\$46,000.00	\$77,100.00	67.6	\$42,200.00	\$56,100.00	\$108,000.00	\$152,000.00
2	Aerospace Engineering	\$57,700.00	\$101,000.00	75.0	\$64,300.00	\$82,100.00	\$127,000.00	\$161,000.00
3	Agriculture	\$42,600.00	\$71,900.00	68.8	\$36,300.00	\$52,100.00	\$96,300.00	\$150,000.00
4	Anthropology	\$36,800.00	\$61,500.00	67.1	\$33,800.00	\$45,500.00	\$89,300.00	\$138,000.00
5	Architecture	\$41,600.00	\$76,800.00	84.6	\$50,600.00	\$62,200.00	\$97,000.00	\$136,000.00
6	Art History	\$35,800.00	\$64,900.00	81.3	\$28,800.00	\$42,200.00	\$87,400.00	\$125,000.00
7	Biology	\$38,800.00	\$64,800.00	67.0	\$36,900.00	\$47,400.00	\$94,500.00	\$135,000.00
8	Business Management	\$43,000.00	\$72,100.00	67.7	\$38,800.00	\$51,500.00	\$102,000.00	\$147,000.00
9	Chemical Engineering	\$63,200.00	\$107,000.00	69.3	\$71,900.00	\$87,300.00	\$143,000.00	\$194,000.00
10	Chemistry	\$42,600.00	\$79,900.00	87.6	\$45,300.00	\$60,700.00	\$108,000.00	\$148,000.00
11	Civil Engineering	\$53,900.00	\$90,500.00	67.9	\$63,400.00	\$75,100.00	\$115,000.00	\$148,000.00
12	Communications	\$38,100.00	\$70,000.00	83.7	\$37,500.00	\$49,700.00	\$98,800.00	\$143,000.00
13	Computer Engineering	\$61,400.00	\$105,000.00	71.0	\$66,100.00	\$84,100.00	\$135,000.00	\$162,000.00
14	Computer Science	\$55,900.00	\$95,500.00	70.8	\$56,000.00	\$74,900.00	\$122,000.00	\$154,000.00
15	Construction	\$53,700.00	\$88,900.00	65.5	\$56,300.00	\$68,100.00	\$118,000.00	\$171,000.00
16	Criminal Justice	\$35,000.00	\$56,300.00	60.9	\$32,200.00	\$41,600.00	\$80,700.00	\$107,000.00
17	Drama	\$35,900.00	\$56,900.00	58.5	\$36,700.00	\$41,300.00	\$79,100.00	\$153,000.00
18	Economics	\$50,100.00	\$98,600.00	96.8	\$50,600.00	\$70,600.00	\$145,000.00	\$210,000.00
19	Education	\$34,900.00	\$52,000.00	49.0	\$29,300.00	\$37,900.00	\$73,400.00	\$102,000.00
20	Electrical Engineering	\$60,900.00	\$103,000.00	69.1	\$69,300.00	\$83,800.00	\$130,000.00	\$168,000.00
21	English	\$38,000.00	\$64,700.00	70.3	\$33,400.00	\$44,800.00	\$93,200.00	\$133,000.00
22	Film	\$37,900.00	\$68,500.00	80.7	\$33,900.00	\$45,500.00	\$100,000.00	\$136,000.00
23	Finance	\$47,900.00	\$88,300.00	84.3	\$47,200.00	\$62,100.00	\$128,000.00	\$195,000.00
24	Forestry	\$39,100.00	\$62,600.00	60.1	\$41,000.00	\$49,300.00	\$78,200.00	\$111,000.00

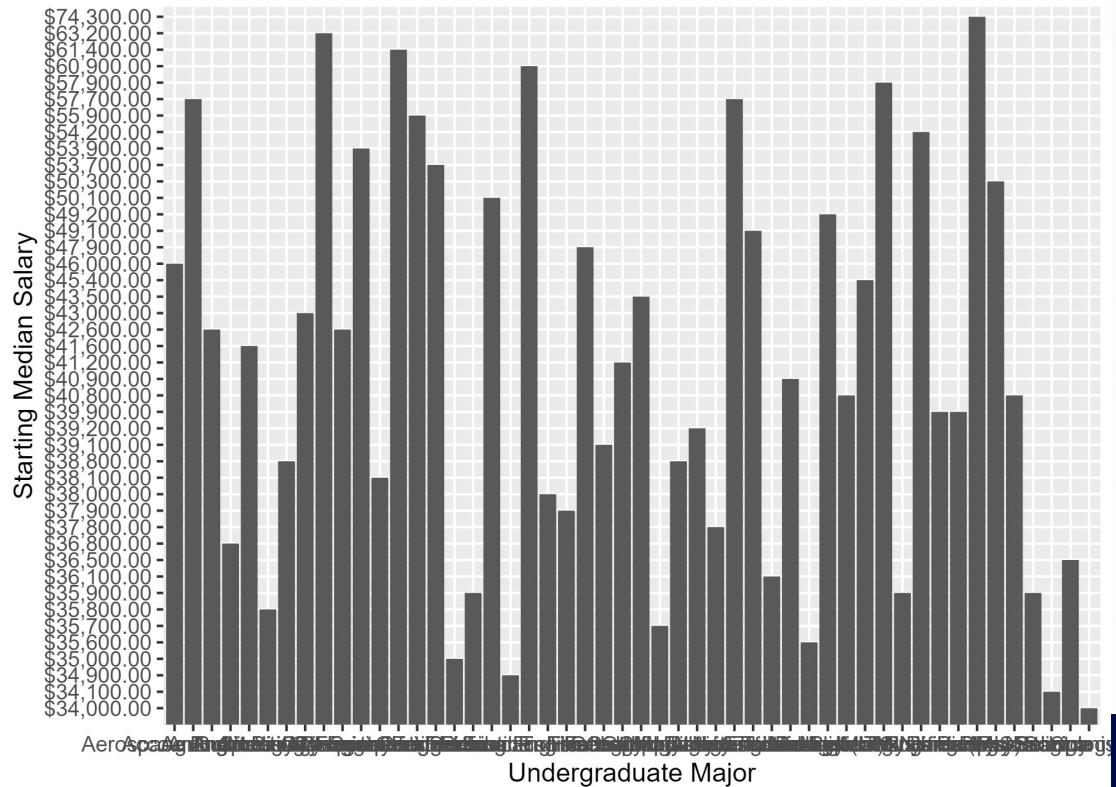
YAY!!



College		Undergraduate_Me	Starting_Me	Mid_Career_Me
CHHS	Physician_Assistant	74300	91700	
COE	Chemical_Engineering	63200	107000	
COE	Computer_Engineering	61400	105000	
COE	Electrical_Engineering	60900	103000	
COE	Mechanical_Engineering	57900	93600	
COE	Aerospace_Engineering	57700	101000	
COE	Industrial_Engineering	57700	94700	
COE	Computer_Science	55900	95500	
CHHS	Nursing	54200	67000	
COE	Civil_Engineering	53900	90500	
COE	Construction	53700	88900	
CNSM	Physics	50300	97300	
COB	Economics	50100	98600	
COB	Management_Informat	49200	82300	
COE	Information_Technolog	49100	74800	
COB	Finance	47800	88300	
COB	Accounting	46000	77100	
CNSM	Math	45400	92400	
CLA	Geology	43500	79500	
COB	Business_Manageme	43000	72100	
CNSM	Agriculture	42600	71900	
CNSM	Chemistry	42600	79900	
COE	Architecture	41600	76800	
CLA	Geography	41200	65500	
CLA	International_Relations	40900	80900	
COB	Marketing	40800	79600	
CLA	Political_Science	40800	78200	
CHHS	Nutrition	39900	55300	
CLA	Philosophy	39900	81200	
CLA	History	39200	71000	
CNSM	Forestry	39100	62600	
CNSM	Biology	38800	64800	
CHHS	Health_Care_Administ	38800	60600	
CLA	Communications	38100	70000	
CLA	English	38000	64700	
CLA	Film	37900	68500	
CHHS	Hospitality_&_Tourism	37800	57500	
CLA	Anthropology	36800	61500	
CLA	Sociology	36500	58200	

# Trimming the data

	Categories	Starting Average Salary	Mid Career Average Salary	Percent Change
COA	Arts	35900	20300	56.6
COB	Business	46100	36900	79.8
CED	Education	34900	17100	49
COE	Engineering	55700	38000	68.3
CHHS	Health & Human Service	46600	18100	42.4
CLA	Liberal Arts	38000	29200	76.4
CNSM	Nature Sciences & Math	43100	35000	80



# Exploring Salaries by Major

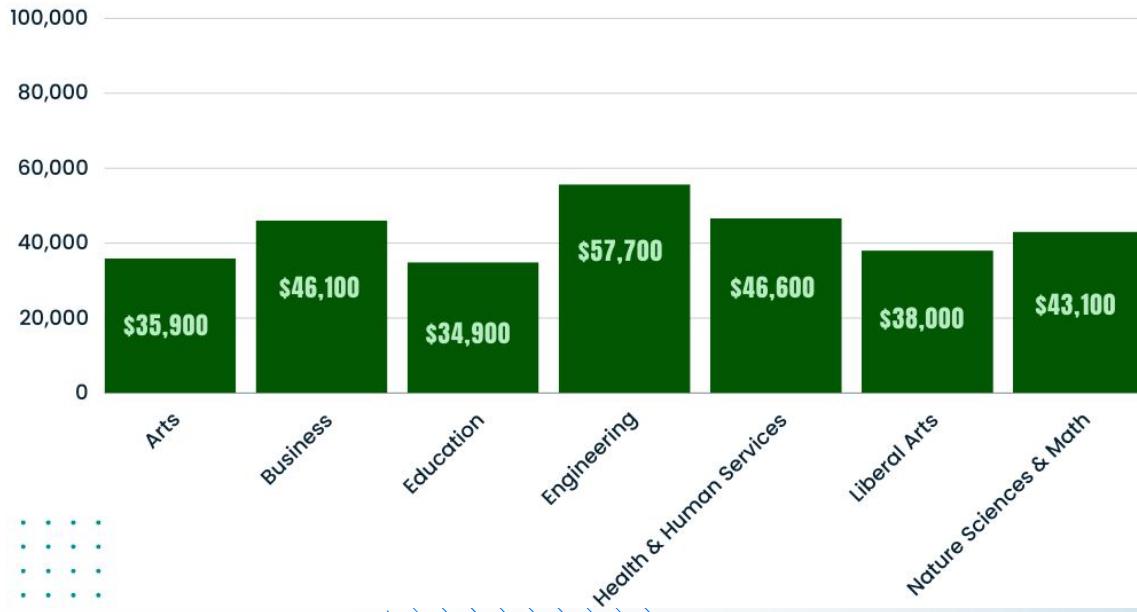
# Median Salary

## By Major Category

# MEDIAN STARTING SALARY BY MAJOR

Majors organized based on CSULB Colleges

## Early Career



Highest Paid Early Career Major

**Engineering \$57,700**



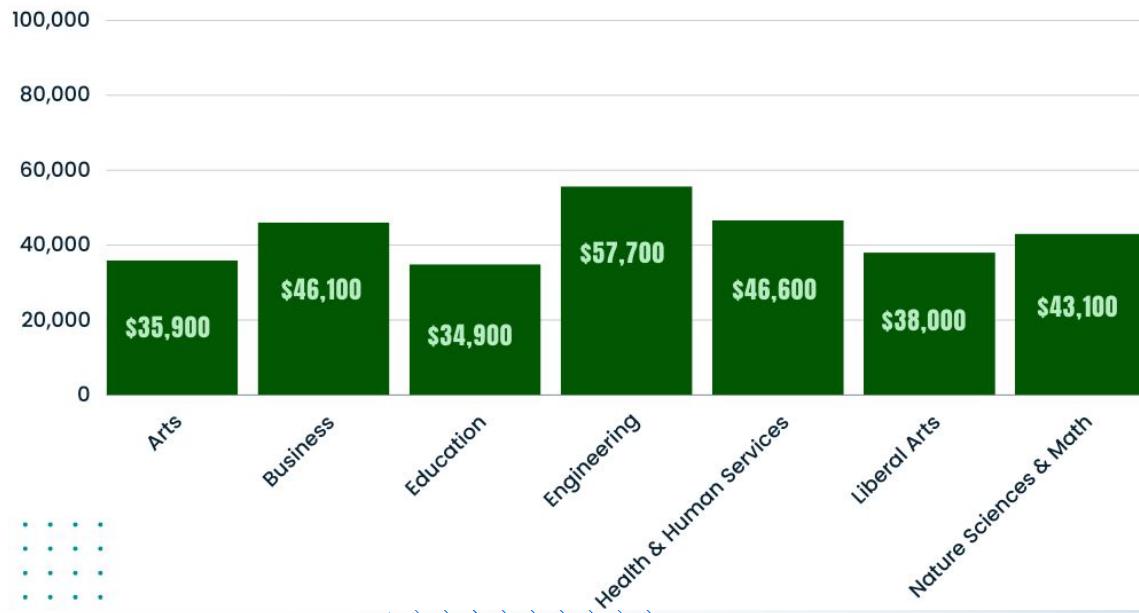
Lowest Paid Early Career Major

**Education \$34,900**

# MEDIAN STARTING SALARY BY MAJOR

Majors organized based on CSULB Colleges

## Early Career



Highest Paid Early Career Major

**Engineering \$57,700** 

Lowest Paid Early Career Major

**Education \$34,900**

### Early Career Salary

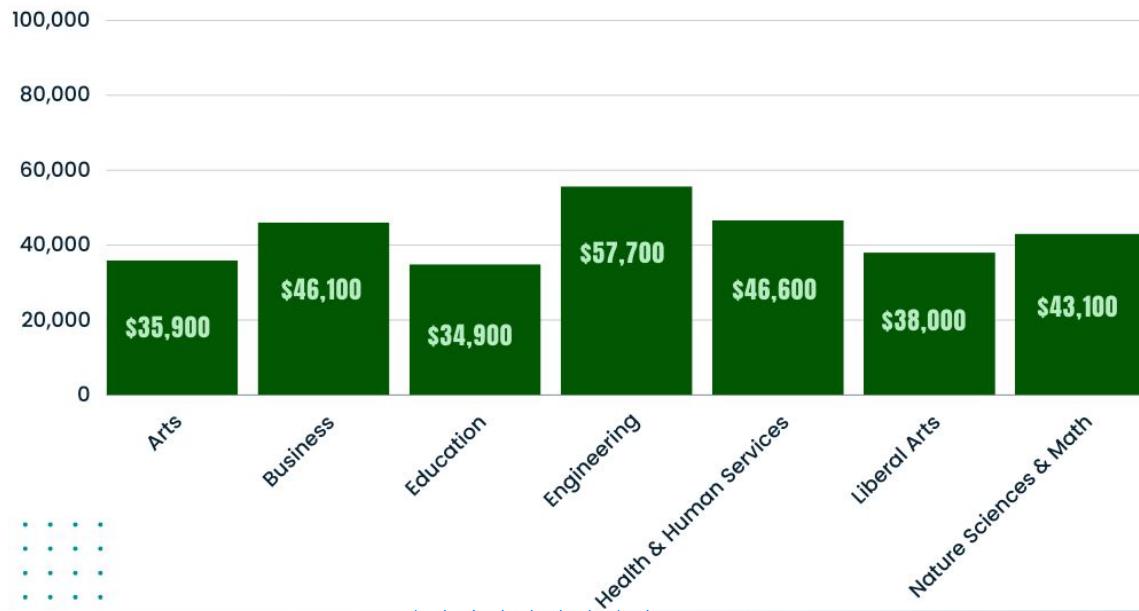
Highest To Lowest

1. Engineering
2. Health & Human Services
3. Business
4. Nature Sciences & Math
5. Liberal Arts
6. Arts
7. Education

# MEDIAN STARTING SALARY BY MAJOR

Majors organized based on CSULB Colleges

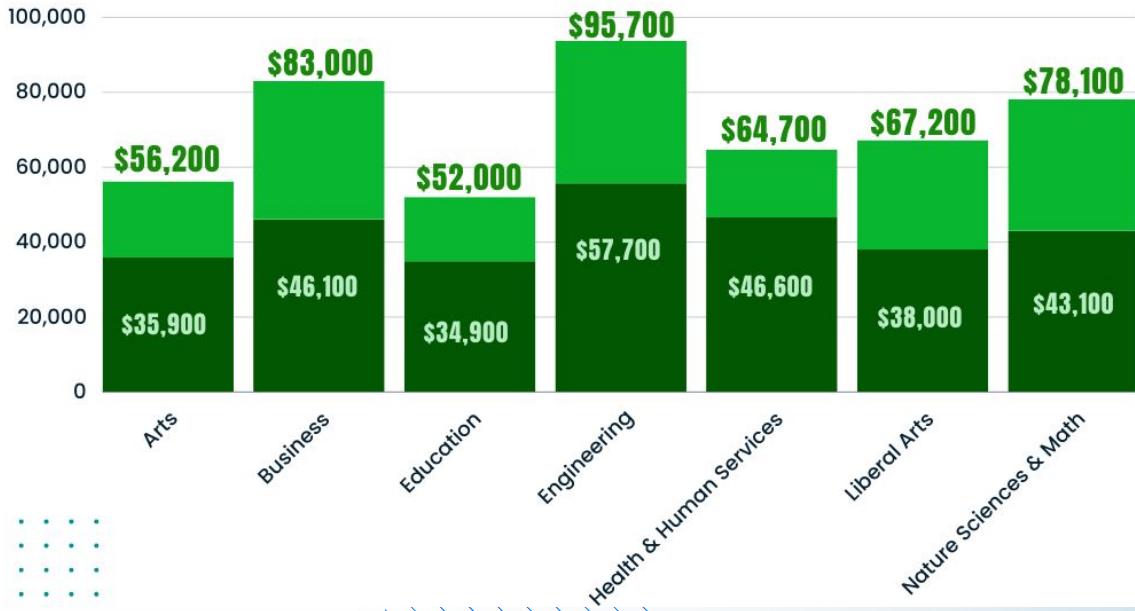
## Early Career



# MEDIAN SALARY GROWTH BY MAJOR

Majors organized based on CSULB Colleges

## Mid-Career



Highest Paid Mid-Career Major  
**Engineering \$95,700**

Lowest Paid Mid-Career Major  
**Education \$52,000**

# MEDIAN SALARY GROWTH BY MAJOR

Majors organized based on CSULB Colleges

## Mid-Career



Highest Paid Mid-Career Major

**Engineering \$95,700**



Lowest Paid Mid-Career Major

**Education \$52,000**

### Mid-Career Salary

Highest To Lowest

1. Engineering
2. Business
3. Nature Sciences & Math
4. Liberal Arts
5. Health & Human Services
6. Arts
7. Education

# MEDIAN SALARY GROWTH BY MAJOR

Majors organized based on CSULB Colleges

## Mid-Career



# Early to Mid-Career Comparison

Highest Paid Early Career Major  
**Engineering \$95,700**



Lowest Paid Early Career Major  
**Education \$34,900**

## Early Career Salary

Highest To Lowest

1. Engineering
2. Health & Human Services
3. Business
4. Nature Sciences & Math
5. Liberal Arts
6. Arts
7. Education

Highest Paid Mid-Career Major  
**Engineering \$95,700**



Lowest Paid Mid-Career Major  
**Education \$34,900**

## Mid-Career Salary

Highest To Lowest

1. Engineering
2. Business
3. Nature Sciences & Math
4. Liberal Arts
5. Health & Human Services
6. Arts
7. Education

# **Analysis**

## Salaries by Major

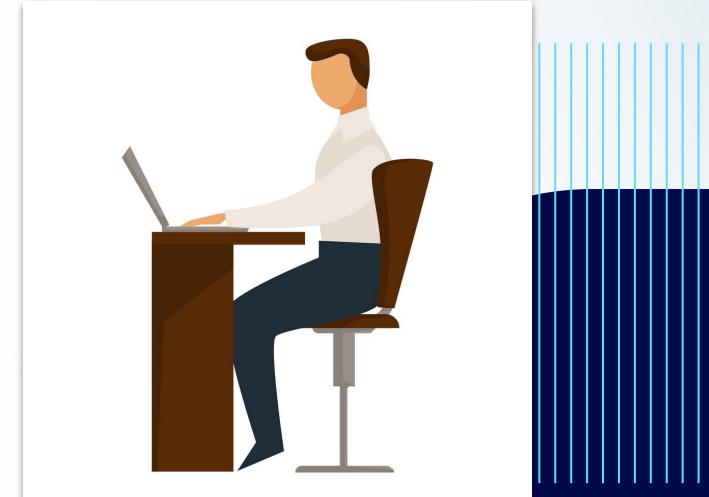
# Takeaways from Salaries by Major Category

- Engineers design and get that bag.
- The suffering artist is statistically backed.
- Teachers are underpaid (not news)
- Humans are constantly changing - health & human service salaries ain't.



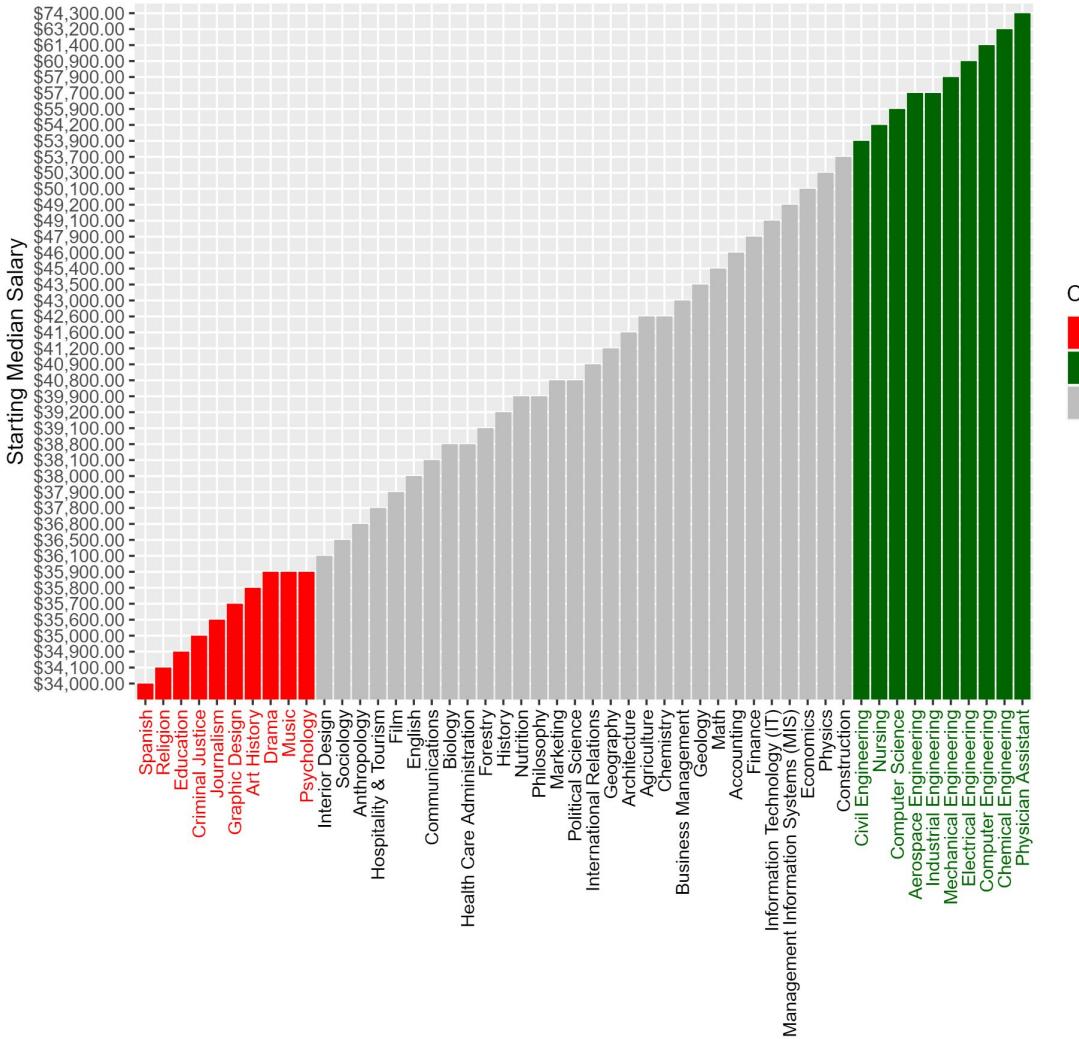
# Takeaways from Salaries by Major Category

- Engineering related majors make the most money for their entire career.
- Arts ranks the second lowest across the board.
- Education ranks the lowest across the board.
- Health & Human Services is best in the early career, but has low room for improvement.



# Median Salary

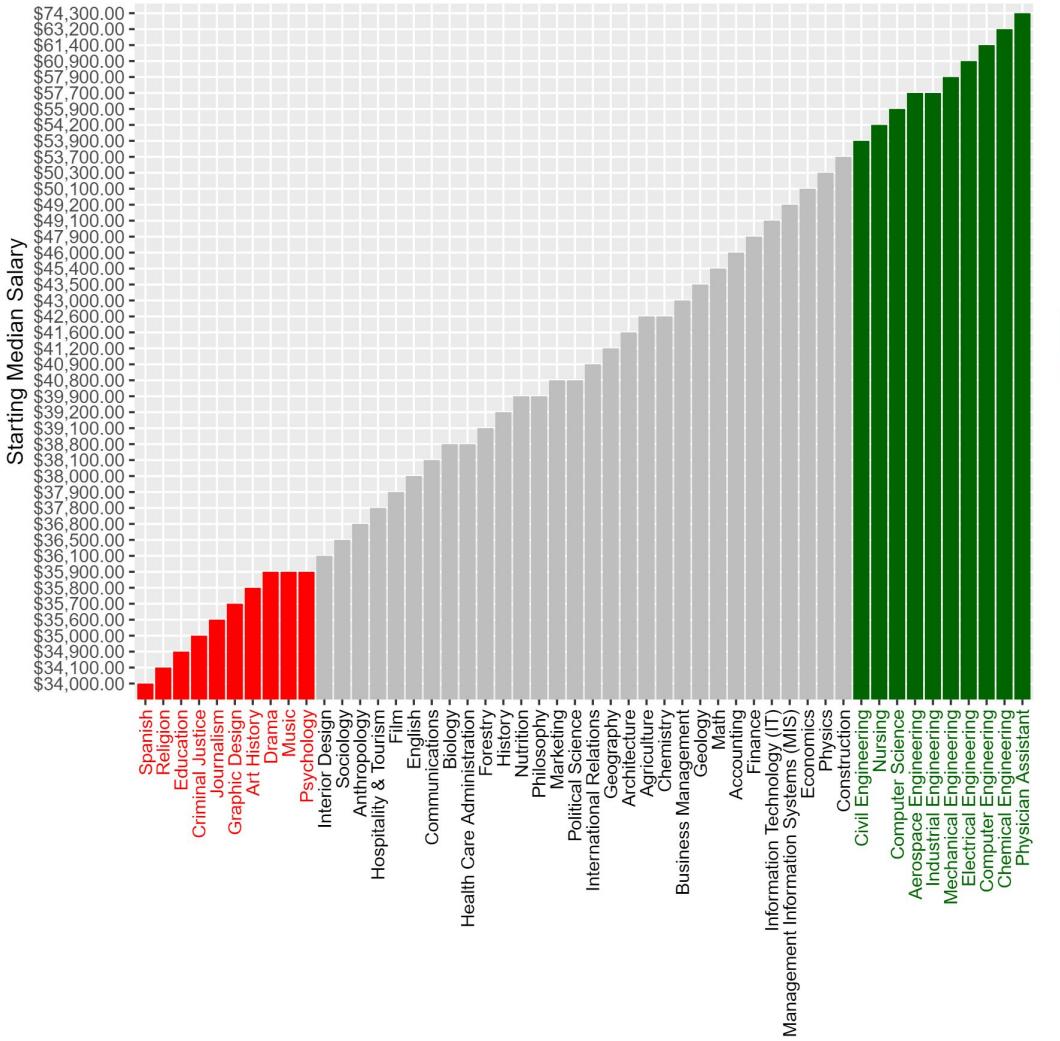
## By College Major



## Top 10 Best

### Starting Median Salaries:

1. Physician Assistant (\$74,300)
2. Chemical Engineering (\$63,200)
3. Computer Engineering (\$61,400)
4. Electrical Engineering (\$60,900)
5. Mechanical Engineering (\$57,900)
6. Industrial Engineering (\$57,700)
7. Aerospace Engineering (\$57,700)
8. Computer Science (\$55,900)
9. Nursing (\$54,200)
10. Civil Engineering (\$53,900)



## Top 10 Worst

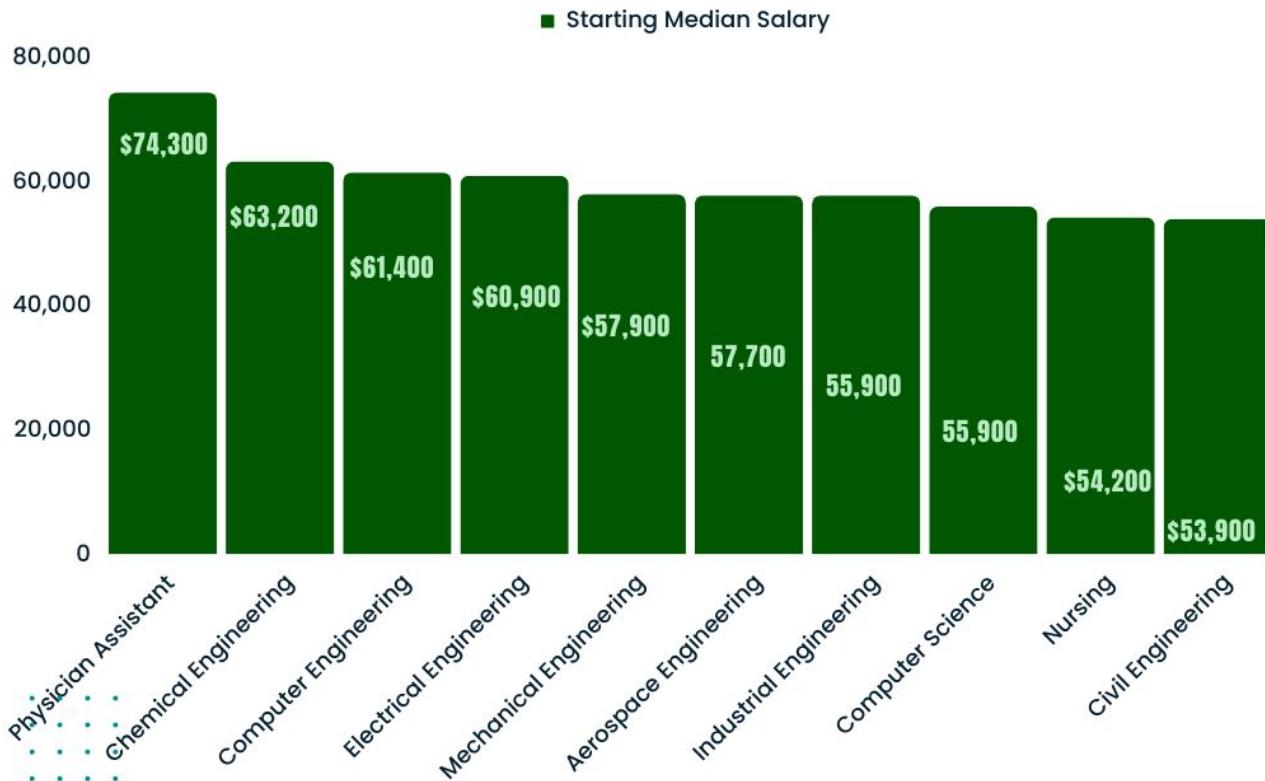
### Starting Median Salaries:

1. Spanish (\$34,000)
2. Religion (\$34,100)
3. Education (\$34,900)
4. Criminal Justice (\$35,000)
5. Journalism (\$35,600)
6. Graphic Design (\$35,700)
7. Art History (\$35,800)
8. Drama (\$35,900)
9. Music (\$35,900)
10. Psychology (\$35,900)



Highest Paid Early Career Major  
**Physician Assistant \$74,300**

# MEDIAN STARTING SALARY BY MAJOR





Highest Paid Mid Career Major  
**Chemical Engineering \$107,000**

### Mid-Career Salary

Highest To Lowest

1. Chemical Engineering
2. Computer Engineering
3. Electrical Engineering
4. Aerospace Engineering
5. Computer Science
6. Industrial Engineering
7. Mechanical Engineering
8. Physician Assistant
9. Civil Engineering
10. Nursing

# MEDIAN MID-CAREER SALARY BY MAJOR

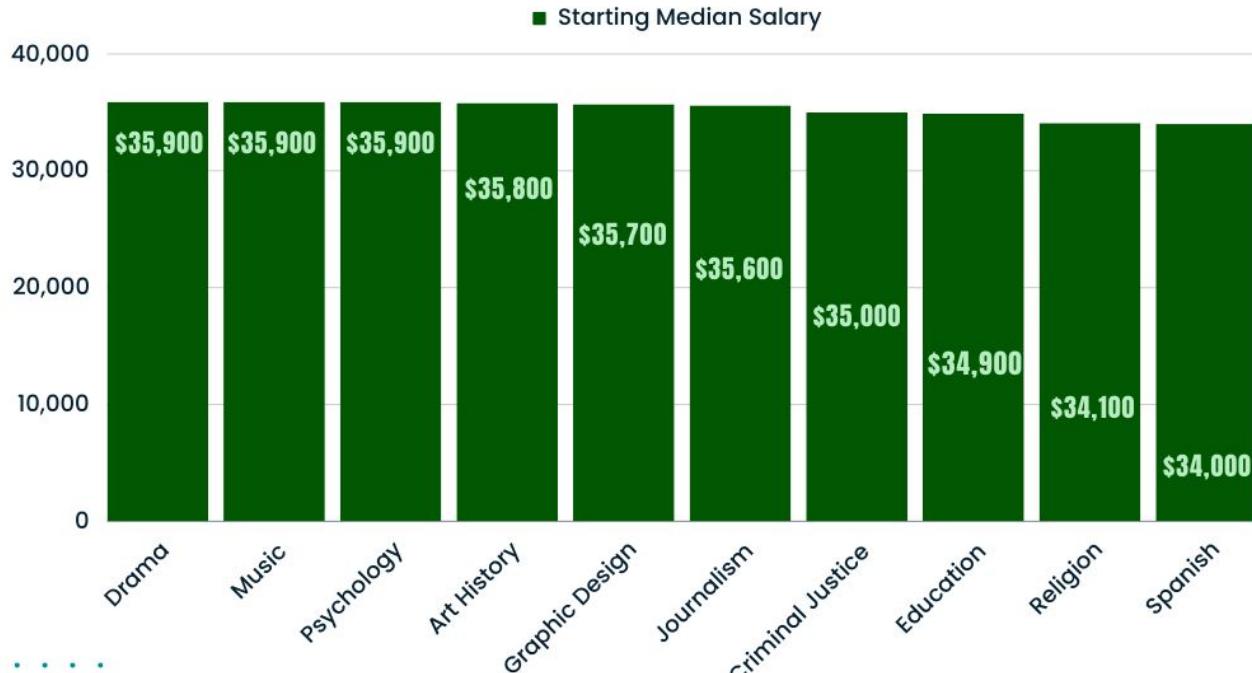




Lowest Paid Early Career Major

**Spanish \$34,000**

# MEDIAN STARTING SALARY BY MAJOR





Lowest Paid Mid Career Major

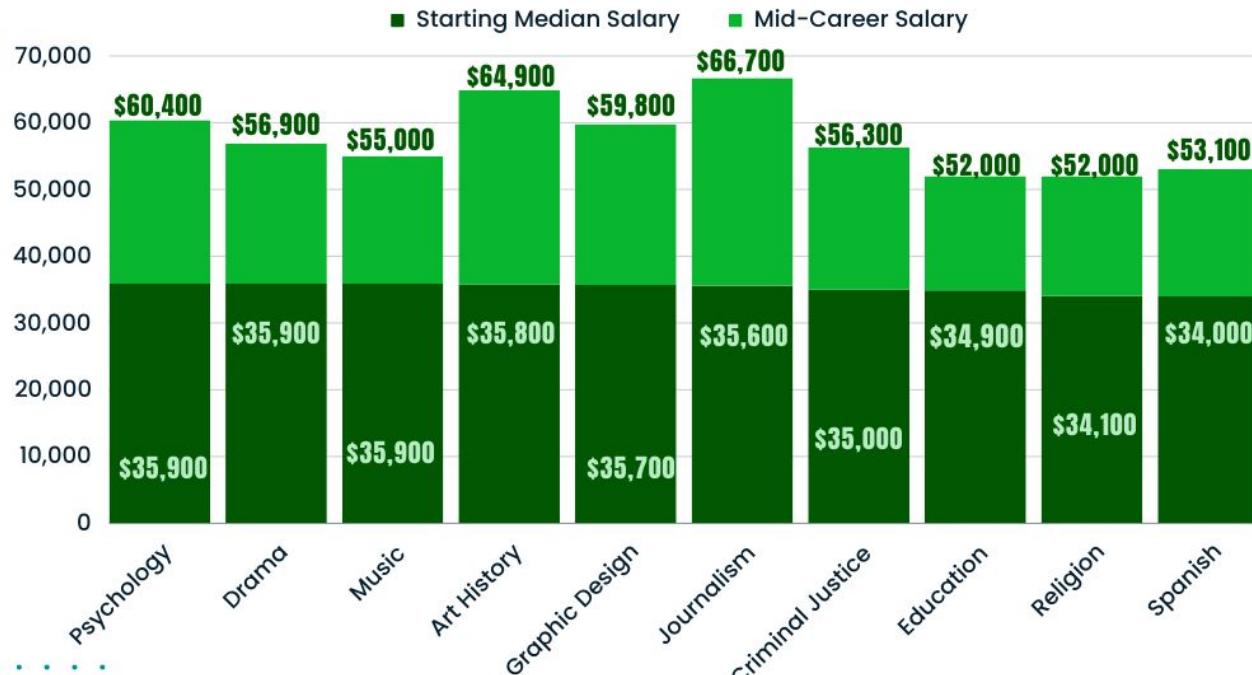
## Education

## Mid-Career Salary

Lowest To Highest

1. Education
2. Religion
3. Spanish
4. Interior Design
5. Music
6. Nutrition
7. Criminal Justice
8. Drama
9. Hospitality & Tourism
10. Sociology

# MEDIAN MID-CAREER SALARY BY MAJOR



# Early to Mid-Career Comparison



Highest Paid Early Career Major  
**Physical Assistant \$74,300**

Lowest Paid Early Career Major  
**Spanish \$34,000**



Highest Paid Mid-Career Major  
**Chemical Engineering \$107,000**

Lowest Paid Mid-Career Major  
**Education & Religion \$52,000**

## Early Career Salary

Highest To Lowest

1. Physician Assistant
2. Chemical Engineering
3. Computer Engineering
4. Electrical Engineering
5. Mechanical Engineering
6. Aerospace Engineering
7. Industrial Engineering
8. Computer Science
9. Nursing
10. Civil Engineering

## Mid-Career Salary

Highest To Lowest

1. Chemical Engineering
2. Computer Engineering
3. Electrical Engineering
4. Aerospace Engineering
5. Economics
6. Physics
7. Computer Science
8. Industrial Engineering
9. Mechanical Engineering
10. Math

# Top 10 Mid Career Salaries by Major

## Mid-Career Salary

Highest To Lowest

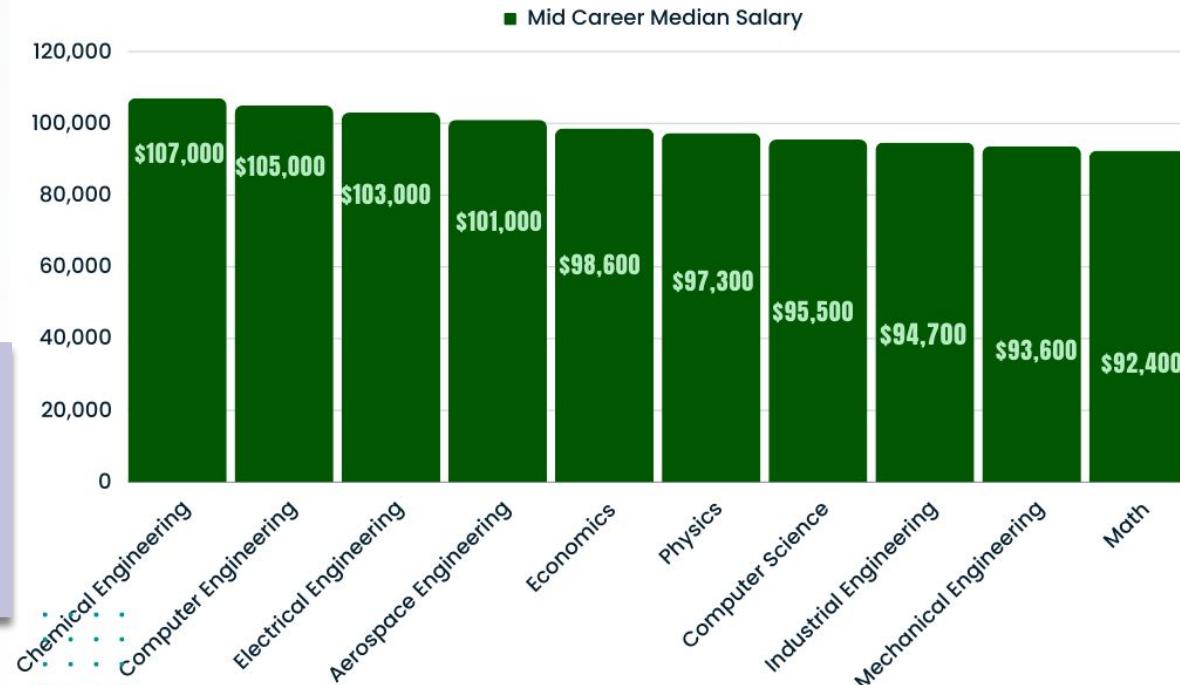
1. Chemical Engineering
2. Computer Engineering
3. Electrical Engineering
4. Aerospace Engineering
5. Economics
6. Physics
7. Computer Science
8. Industrial Engineering
9. Mechanical Engineering
10. Math

## Early Career Salary

(They leave the Top 10)

1. Physician Assistant
9. Nursing
10. Civil Engineering

## TOP 10 MID-CAREER SALARIES BY MAJOR



# **Analysis**

## Salaries by Major

# Takeaways from Salaries by College Major

- **Engineering Consistency:** Engineering fields offer strong earning potential, both early & mid career
- **Passion vs. Paycheck:** Pursuing passion may lead to lower initial salaries. For example, majors like spanish & religion have lower starting median salaries, showing the trade-off between pursuing personal interests and financial gain.
- **Psychology's Paradox:** Psychology majors, despite exploring human behavior, often face lower earnings, showcasing the disparity between societal important and financial reward.

# Takeaways from Salaries by College Major

- Physician Assistants, despite starting with a high salary, they experience a small salary increase in mid-career compared to other fields, showing early peak earnings.
- Civil Engineers, while maintaining competitive mid-career salaries, leaves the top 10. Because civil engineers work in various sectors, including construction, transportation, infrastructure etc, their mid career salaries can vary based off their specific area of expertise.

# Takeaways from Salaries by College Major

- Analytical Skills are Valued. Several majors on the highest earning mid-career salaries (economics, computer science, and math, emphasize the significance of strong analytical and problem-solving skills in the job market)
- Chemical engineering having a high early career salary as well as the highest mid-career salary showcases the long-term financial benefits of this field.
- Economics is the only non STEM major in the top 10 of mid-career salaries

# Final Takeaways

- Northeastern Colleges average highest starting and mid-career salaries
- Ivy Leagues & Engineering schools have the highest starting and mid-career salaries. State schools are last
- Engineering majors have the highest median salary across their entire career.
  - Chemical engineering and Computer engineering take the top 1 and 2 spots, respectively.
- Education, Arts, and Liberal Art majors statistically make the least starting and mid-career salaries regardless of what college attended

A photograph of a person walking away from the camera down a dirt road at sunset. The scene is framed by a fence on the right and a field of flowers on the left. The sky is a warm orange and yellow, and the overall atmosphere is peaceful and inspiring.

Money is an illusion  
It's not even backed by gold anymore

Follow your dreams kids

BOTTOM TEXT