



UDACITY

Project #2: Udacity's Students Survey

#1: Most Popular Nanodegree

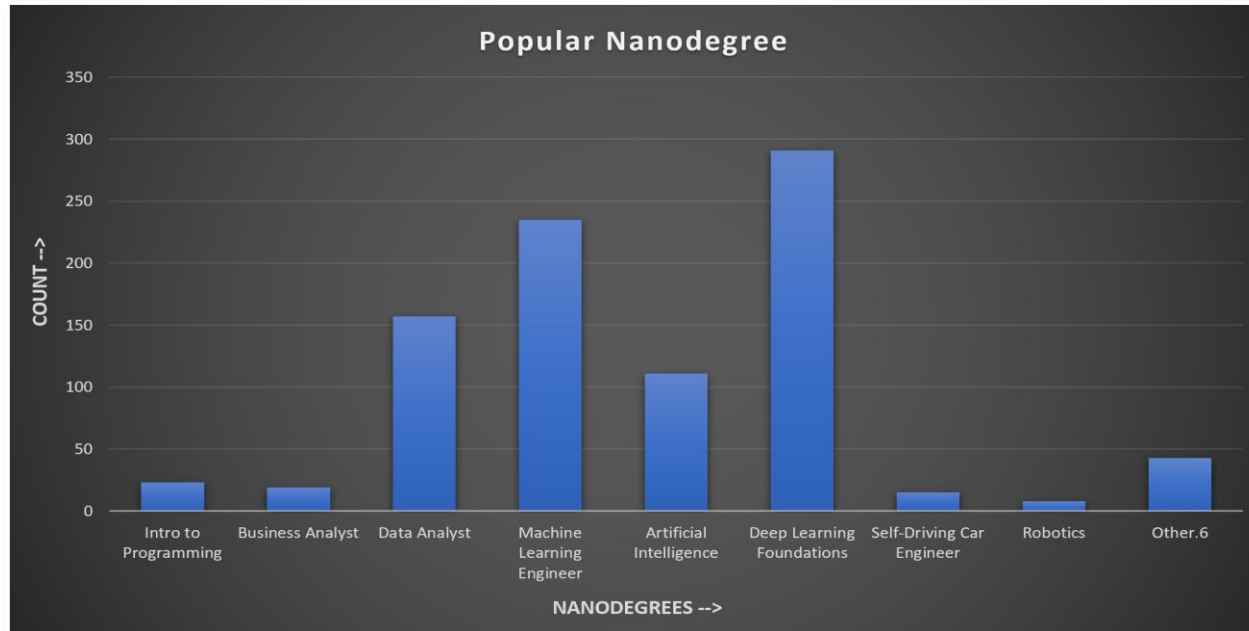
INSIGHT #1

Deep learning Foundations is the **most popular** Nanodegree (291)

Robotics is the **least popular** Nanodegree (8)

Formula Used:

SUBTOTAL(3, start:end)

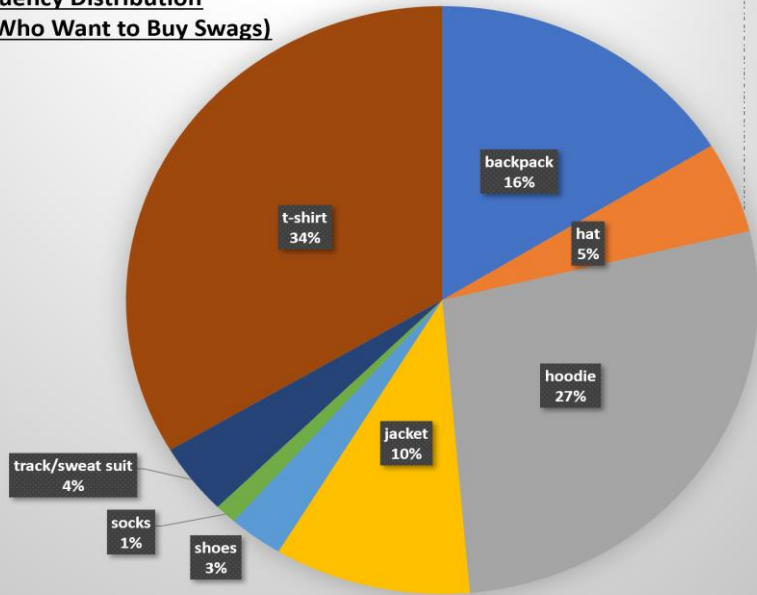


#2: Popular Merchandise (Swag) Among The Students

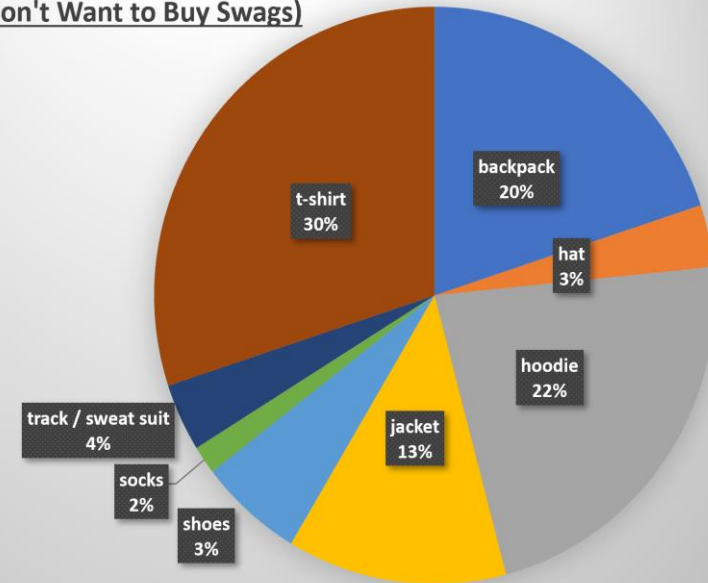
Students **who want to buy swags** have most popular merchandise as **t-shirt > hoodie > backpack > jacket > hat**.

Students who **don't want to buy swags** also **follow the same trend**, in terms of merchandise's popularity!

Frequency Distribution
(Students Who Want to Buy Swags)

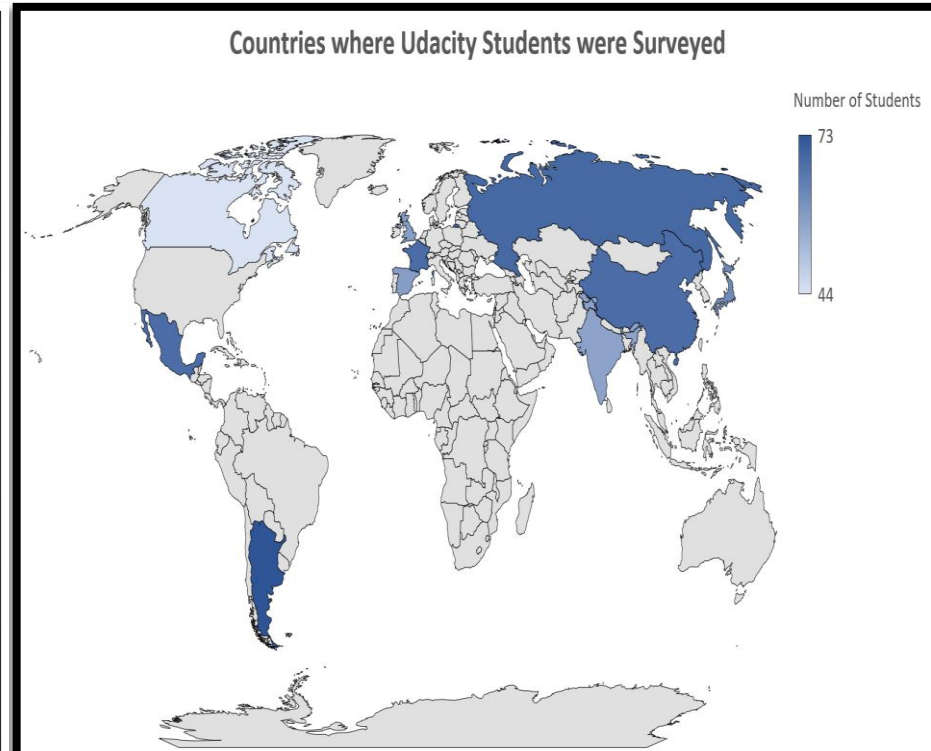
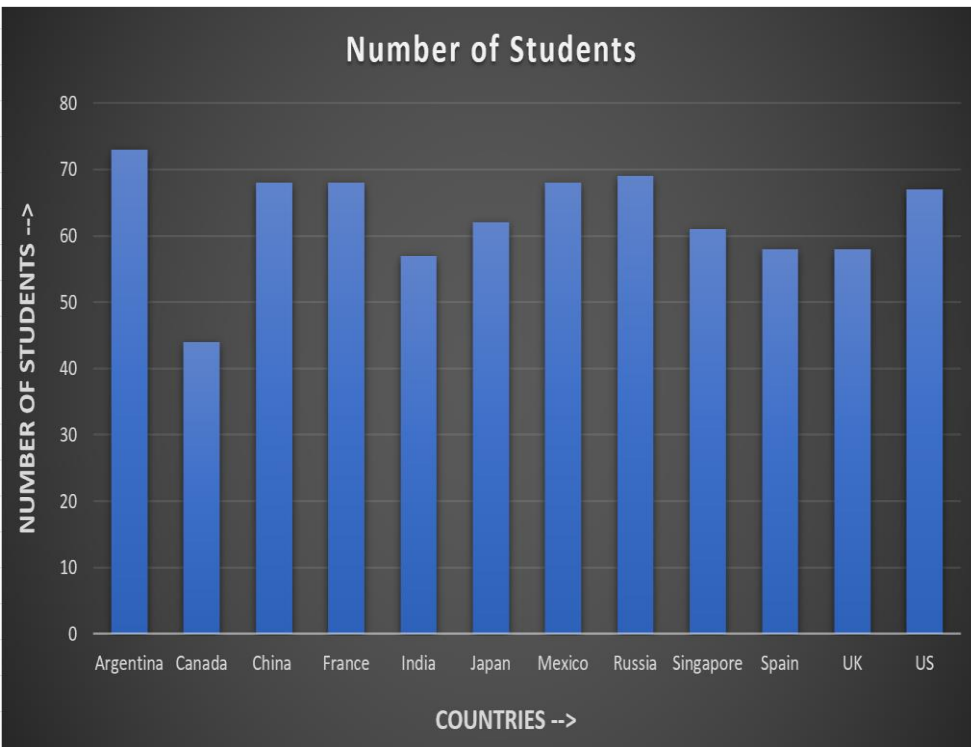


Frequency Distribution
(Students Who Don't Want to Buy Swags)



#3: Most Common Countries / Cities where Students Live!

The survey so conducted **wasn't biased** at all as there were **equal proportion of students** from all the countries. **Argentina (73) > Russia (69) > China | France | Mexico (68) > US (67)**



#4: Number of Hours of Sleep a Student Takes Vs Number of Hours Devoted to Nanodegree Per Week

	No. of Sleep Hours	No. of Hours Devoted to Nanodegree
Minimum	0	1
Average	6.88	4.75
Q1	6	4
Q2	7	5
Q3	8	6
Maximum	10	6

The students who devote the **highest amount of time** per week to **Nanodegree** are the one who sleep for **7 hours** followed by those sleep for **5 hours** and then, **6 hours** respectively.

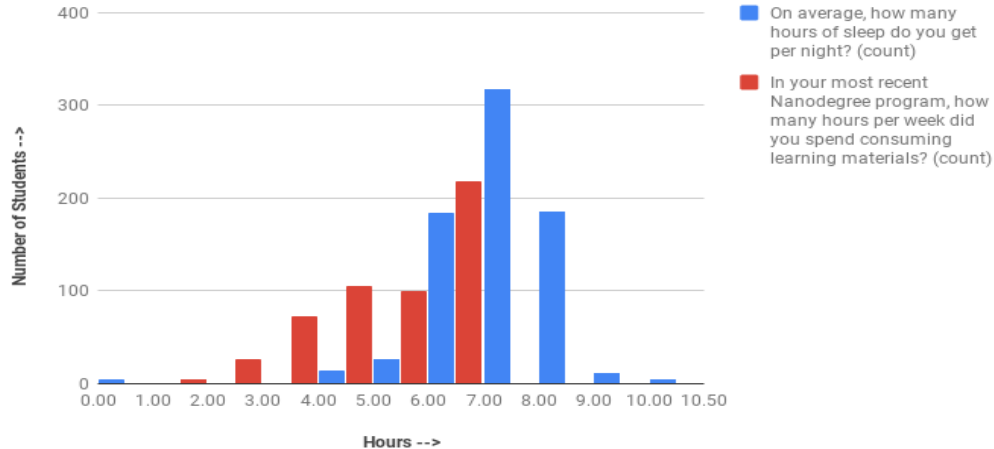
About 25% of the students sleep for 6 hours or less and devote around 4 hours towards the Nanodegree per week.

About 50% of the students sleep for 7 hours of less and devote 5 hours per week towards the Nanodegree.

And 75% of the students sleep for 8 hours or less and devote 6 hours per week towards the Nanodegree.

The trend is on the rise as Number of Sleep Hours is increasing!

Number of Hours of Sleep Vs Number of Hours Devoted to Nanodegree



#5: Number of Hours of Spent Sitting By a Student Vs Number of Hours Devoted to Nanodegree Per Week

	No. of Sleep Hours	No. of Hours Devoted to Nanodegree
Mean	9.53	4.75
Median	10	5
Mode	10	6
Variance	9.85	1.7
Standard Deviation	3.14	1.3

Interestingly, **Number of Hours devoted to Nanodegree** by Students (Plot Red – Plot 1) is **Left Skewed** while **Average Hours Spent Sitting** by the Students follows a **Normal Distribution**. (Plot Blue – Plot 2)

Most Students spend 6 hours per week on Nanodegree but most students sleep for 10 hours per day! Mean of Plot 2 is double the Mean of Plot 1 whereas, Median of Plot 2 is thrice the Median of Plot 1.

Moreover, majority of the students fall in the range of spending 4-6 hours per week on Nanodegree while sitting for 8-10 hours a day.

This clearly depicts that efficiency and concentration come via maintaining a balance.

Average Number of Hours Spent Sitting By a Student Vs Number of Hours Devoted to Nanodegree

