

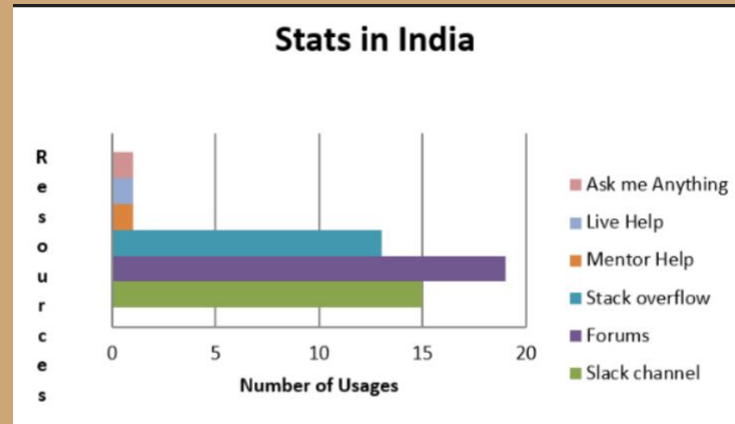
UDACITY DATA FOUNDATIONS NANODEGREE

PROJECT 2 - ANALYZE SURVEY DATA

Submitted by,
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Which resource is found to be helpful in India ?

Andy: It might be interesting to also include a brief explanation for why you were interested in India in particular

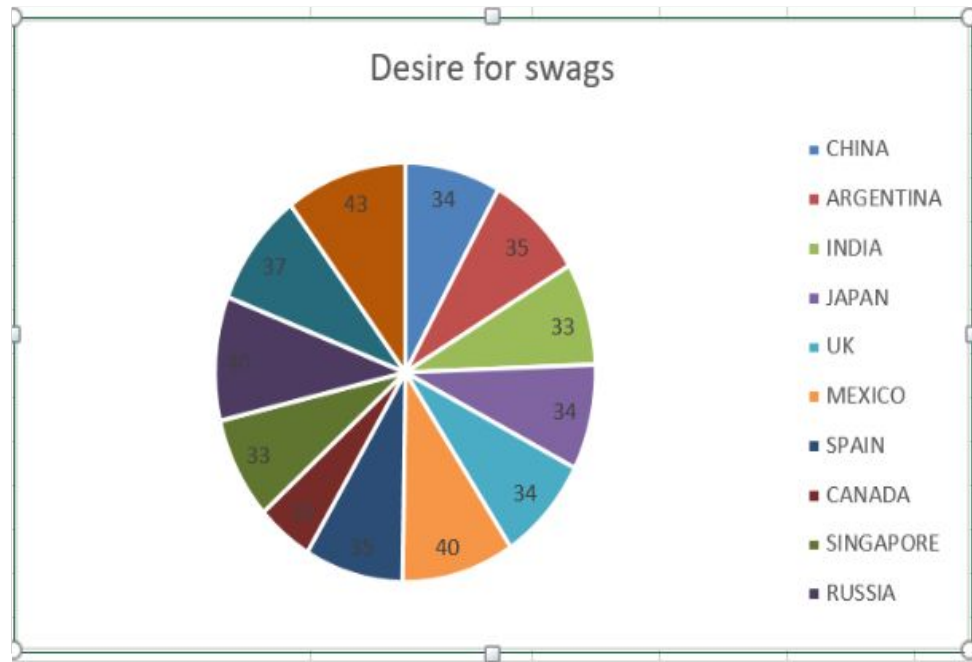


To answer the question such as **Which resource is most helpful when you got stuck in your nanodegree program in India?** I have created a **Bar chart**, with Usage count in X-axis and Resources in Y-axis.

From the Data visualization it is clear that, Mostly *Forums* are used in India with Slack and Stack overflow engaging the following positions.

Which country ranks highest in desire for swags?

Andy: Suggestion: You should make it clear in the slide that you are measuring this by the amount of students who answered they want to buy swag



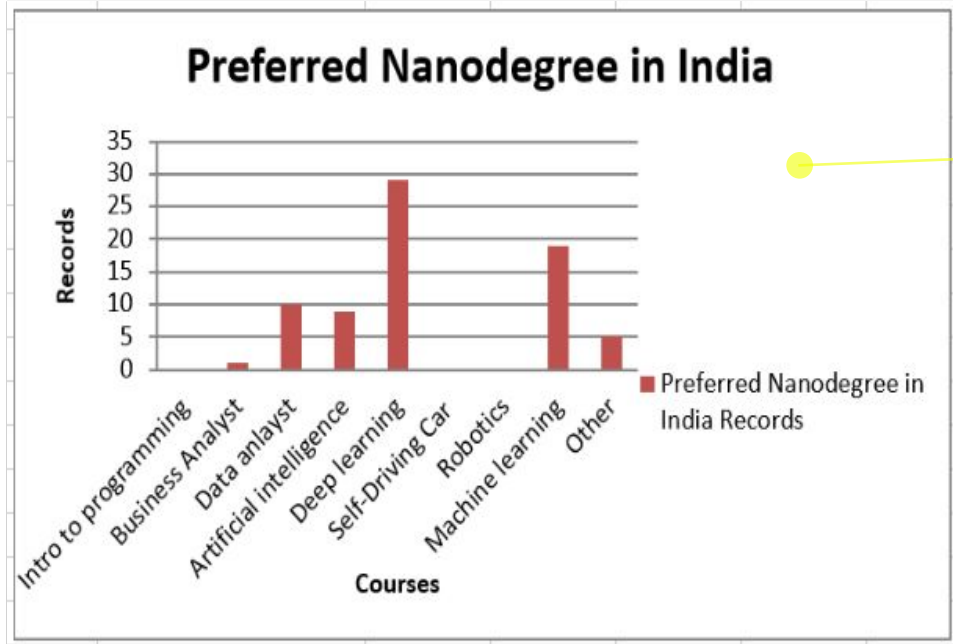
To answer the question such as **Which country ranks the highest in desire for swags?** I have created a **Pie chart**.

The pie chart shows that US ranks the highest, the following position is shared by Mexico and Russia.

Canada ranks the lowest as it has the minimum number of students who wants to buy swags.

Andy: If you want to show a ranking a bar chart is better

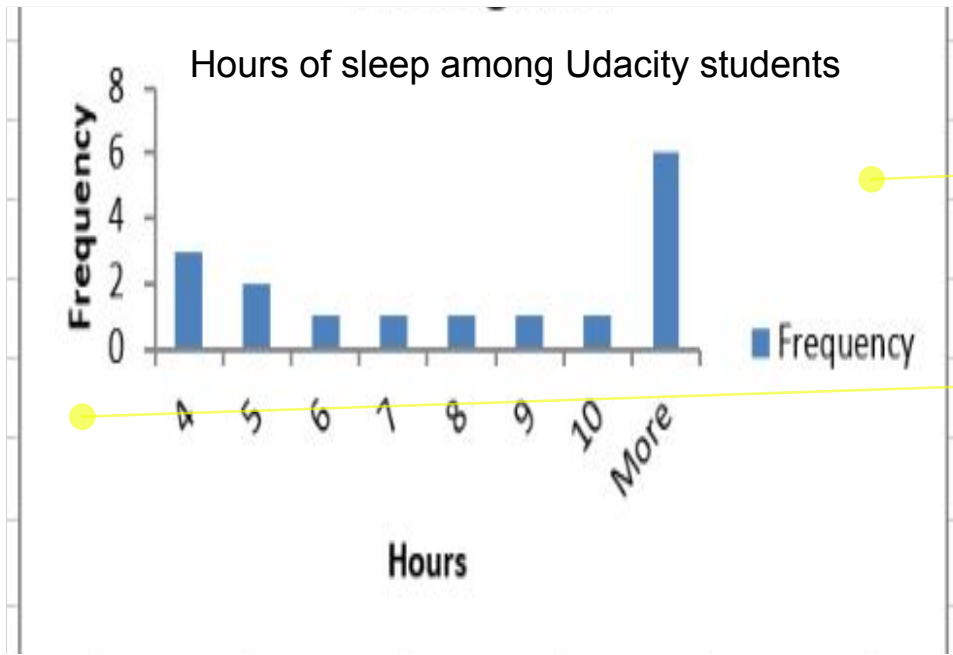
Which Nanodegree is preferred in India?



To answer the question such as **Which Nanodegree is preferred in India?** I have created a **Column chart**, with Courses in X-axis and Records in Y-axis. From the visual it is clear that Deep learning is the most preferred nanodegree in India. Machine learning is the second preferred nanodegree. It is also clear that courses like Intro to programming, Robotics and Self driving car nanodegree are leastly preferred.

Andy: Suggestion: We can put them in descending/ascending order for better comparison


How much hours of sleep does Udacity students prefer?



To answer the question such as **How much hours of sleep does Udacity students prefer?** I have created a **Histogram**, with Hours in X-axis and Frequency in Y-axis. From the analysis it can be said that seven hours of sleep is preferred by udacity students. Eight hours of sleep is also preferred among udacity students.

Andy: Since hours of sleep is a numeric variables you should use a histogram here, instead of a bar chart

Andy: We have more than 700 students in the survey, according to this axis ticks we have < 50 total students here, Please double check this part



Acknowledgement: This data is from survey respondents and is not from the entire Udacity student population.

