UDACITY DATA FOUNDATIONS NANODEGREE

PROJECT 2 - ANALYZE SURVEY DATA

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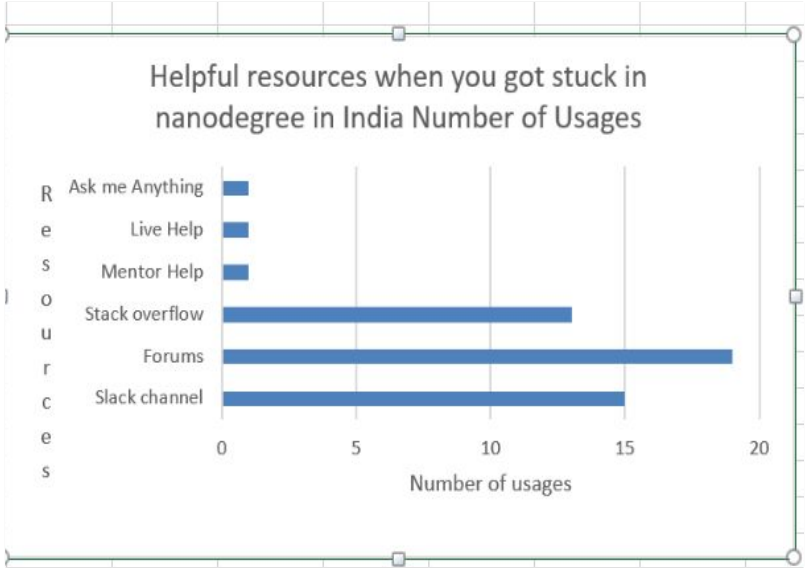
Which resource is found to be helpful in India ?



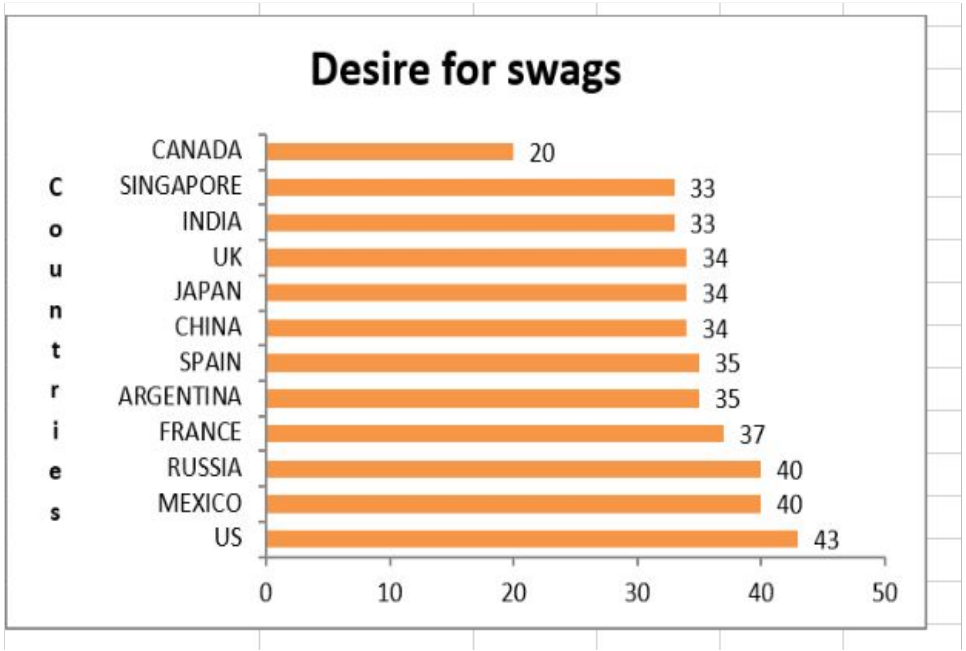
To answer the question such as **Which resource is most helpful when you got stuck in your nanodegree program in India?** I have created a **Bar chart,** with Usage count in X-axis and Resources in Y-axis.

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

I calculated an analysis for India as I was very eager to know details about my birth country .

Range is 18 and the **standard deviation** is approx 8 and so there are no large variations among them.

Which country ranks highest in desire for swags?



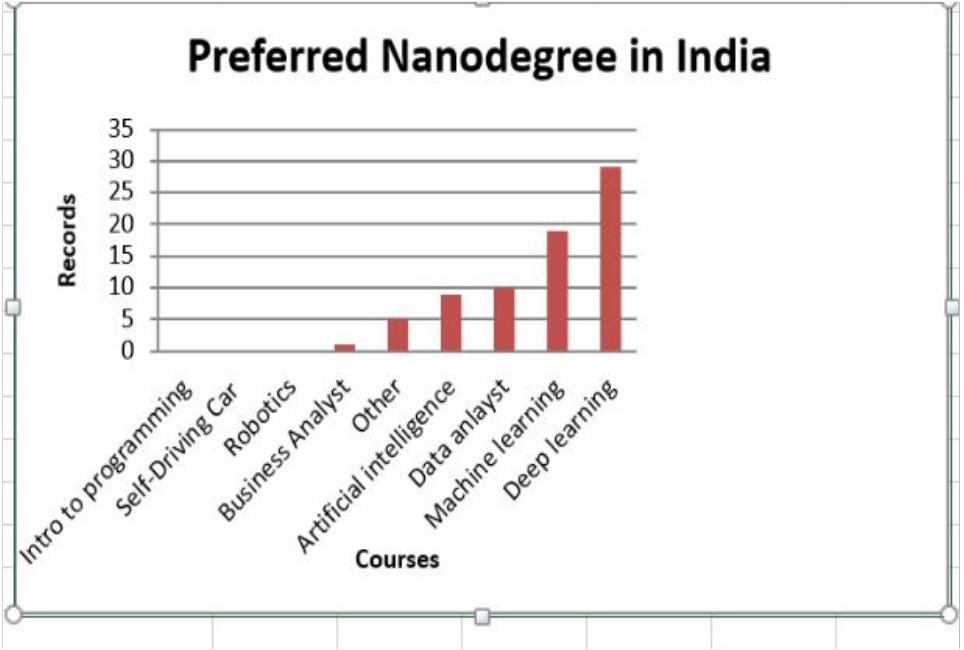
To answer the question such as **Which country ranks the highest in desire for swags?** I have created a **Bar chart,** with countries in Y-axis and Number of records in X-axis.

The Bar 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.

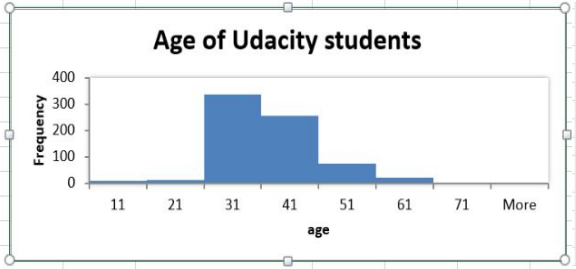
This measure is based on the amount of students who answered they want to buy swags.

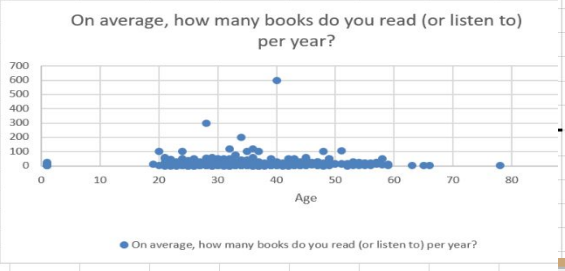
Which Nanodegree is preferred in India?

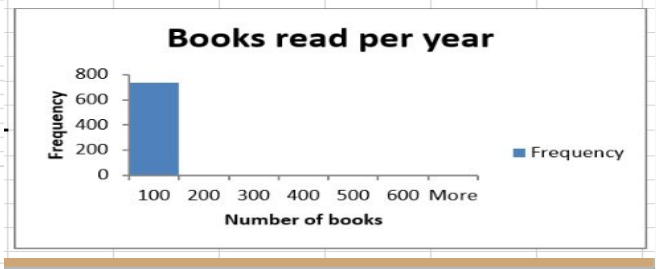


To answer the question such as **Which Nanodegree is preferred in India?** I have created a **Column chart ,** with Courses in X-axis and Records in Y-axis. From the visual it is clear that Deep learning is the most preferred nanodegree in India. Machine learning is the second preferred nanodegree.
It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

What is the age of Udacity students and the number of books read by them?







To answer the question such as **what is the age of Udacity students and the number of books read by them?** I have created two **Histograms** and one **scatter plot ,** with age in X-axis and Frequency in Y-axis in **Age of Udacity students,** age in X-axis and Number of Books in Y-axis in **Scatter plot**, Number of books in X-axis and Frequency in Y-axis in **Books read per year**. From the analysis it can be said that people between age of 21-41 are more interested in learning courses from Udacity.

The **median** age of Udacity students is 31 and the **median** number of books read by udacity students is 8 per year. From the Scatter plot it is clear that udacity students in age of 40 has read the highest number of books. I am interested in analyzing data on books , to understand the statistics between age and book reading.

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