PROBLEM STATEMENT-

QUESTION- What is the best approach to become a Data Scientist ?
RESPONSE-

The given problem is a matter of subjective interest and has no particular correct answer that can address the subject with impeccable precision. We have tried to respond to the problem statement using the insights derived from the data using analysis and the basic background knowledge of Data Science.

The various approaches that helps one's purpose in becoming a Data Scientists are-

- United States and India contribute 41% to the Data Scientists currently active in the community. This means these skills are highly sought after in American and Indian markets and the enthusiasm for research about Data Science is much more higher in these countries.
   So, we can infer that studying, researching or working in United States or India can boost one's career as Data Scientist.

- 64% of the Data Scientists started their venture using University courses or various online platforms' courses (Coursera, EdX, Udemy,etc) about Data Science. 25% were self taught.
   This means using University Courses or online MOOCs are most thriving ways to kick off one's journey in this domain. Self-teaching is also proven to be successful at most occasions.

- People in age group 22-36 years are most active in Data Science Community. This means anyone having age in this range and below has high chances of ending up as Data Scientist.

- Taking up a full time employment has proven to be a more successful approach when compared to working part time or independently.

- Focus of the candidate has proven to be a principal factor in determination of one's ability as Data Scientist. Over 60% of people currently working in domain have their utmost priority as Data

Science while about 30% hope to learn Data Science as a part of their work.

So, totally focusing on Data Science works much better than learning Data Science for interdisciplinary assignments.

- It has been observed that Data Science professionals invest lots of time in gathering and preprocessing data. As the popular notion about data goes- "Garbage in, Garbage out".

    So, secret of becoming a good data scientist lies in investing more time in gathering data and selecting model than rest of the task.

- Kaggle, online courses and personal projects are proven to be most widely used platforms among Data Scientists.

    So, using Kaggle, online courses and doing personal projects is highly recommended to people who wish to learn Data Science.

- 58% of Data Scientists use either Python or R for as their mode of problem tackling.

    So, professional familiarity with Python or R (Python highly preferred) can give a learner edge in this sphere.

- Reading blogs (preferably KDnuggets and R Bloggers Blog Aggregator) can really enhance one's skill as Data Scientist.

- Most of the people of this sphere, it has been found, have earned a Master's or at least a Bachelor's degree.

    So, taking up a degree also boosts one's odds.

- 39% of people having expertise in this domain have done majors in either Computer Science or Mathematics.

    So, taking up Mathematics or Computer science (preferred) for majors supply the necessary prerequisite knowledge for Data Science.

- Coursera, Udacity and edX are highly acknowledged online learning platforms for new learners.

- Laptop having basic environment (Macbook) like Linux, etc is popular among Data Scientists to conduct projects. So, using such hardware is recommended for learners too.

- Practise of using Logistic Regression and Decision trees is prevalent among Data Scientists.
    So, learning such techniques can prove really useful.

- Data Visualization, Logistic Regression and Cross Validation are the Top ML techniques used.
    So, an extensive knowledge of these algorithm is a must.

- Company's website, Job listing pages and Tech Specific job boards are most active job search techniques.
    So, people interested in Data Science need to keep themselves updated on these engines.