

"WHERE THERE IS DATA SMOKE, THERE IS A BUSINESS FIRE"

DATA SCIENCE STRATEGY

INTEGRATING DATA SCIENCE IN ORGANIZATION'S WORKFLOW

Difficulty arises when trying to identify whether we need data science for a particular problem, defining terms during hiring withing the context of organizations goals.

Identify Why you need Data Science



Answer the following questions to yourself:

- Do we need data science to solve this particular problem?
- Does the values a data science can provide, will have any significance to the organization?
- How much focus should be given on data science solution for this problem?

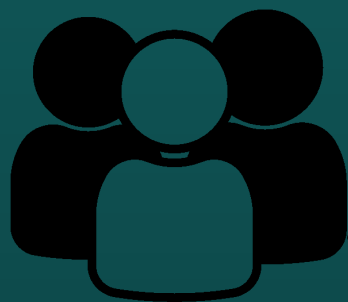
Focus on Team Building

Rather than hiring sole experienced professional who can do it all, its wiser to develop a stable team slowly. It brings -

- Talent of different people together to solve the particular problem.
- The DS process is not dependent on a single person.



Emphasize Communication Skills



Data analysis can help create interesting solutions and insights but they are useless by themselves if not circulated and expressed properly to the respective persons and stakeholders.

- Encourage Data Scientists themselves to do the presentation as nobody can tell the data story better than him.
- Provide training if deemed necessary.

Encourage Data storytelling and Data Visualizations

To be able to use the results from analysis, communication and being able to present the data with realistic implication is necessary, as the results often suggest changes that needs huge change in organizational system. So to make stakeholders and respective people understand the scenario,

- Extensive focus should be given on expressing the result from data analysis.
- Professionals might be recruited solely for this purpose.



Automate the process



Once a data process system has matured, its time to automate it to reduce the time taken for data analysis.

- Automate collection of data from different data repositories of the organization.
- Automate repetitive cleaning and curation of data, basic visualization or real time api-driven dashboard for stake-holders.

This phase really depends on the data science team. They will automate the stages they deem suitable.

Organization Policies

New Policies must be added for -

- Data Protection: Organizations should examine how they can protect data so consumers' behavior patterns cannot be hacked.
- Implement governance policies to address how to manage sensitive data during data process.

