National Commision of Atomic Energy

Comisión Nacional de Energía Atómica

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What we do at CNEA?

-WORK FOR PEACEFUL USES OF NUCLEAR ENERGY.

What we do at the Capital Intellectual Section?

-“LEARNING BY DOING” FELLOWSHIPS: FOR TRAINING YOUNG PROFESSIONALS AND TECHNOLOGISTS AS A SOURCE FOR ITS OWN STAFFING NEEDS.

Learning by doing

- Once trained, it is expected that most of them join the organization.
- It also gives junior researchers the opportunities to undertake its PhD and allows a PhD to continue their training as a researcher and gain skills and experience.

State of data two years ago

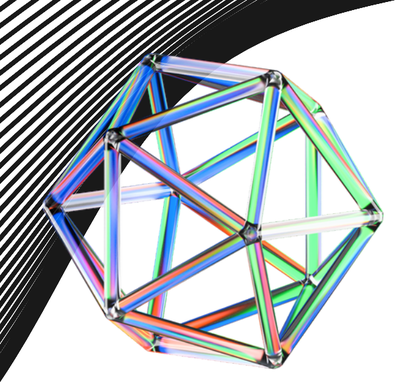
Data was saved in .xlsx

This is a very unrecommended practice..

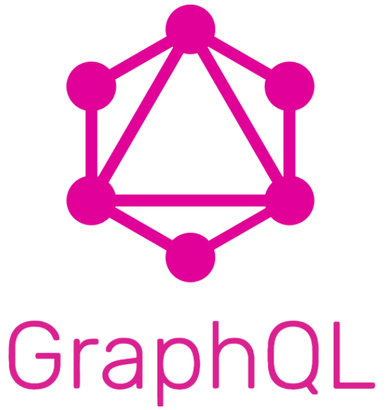
No data hub existed

Every year the new data overrided the previous one..

In summary data was a mess of excels.



Technologies to solve this and made use of data



go the the system

How to implement Machine Learning in this case?

Making use of NLP with Sklearn.

How?

Creating a model of bag of words like the use for recommendations in imdb.

Why?

When a fellowship is requested the system checks if there's a similar theme. Also check for similar themes already being studied.

What does this give us?

Information to make decisions in real time. We can track the info about a topic. We can make the knowledge flow across the organization.

CONCLUTIONS

To create machine learning models you need to collect data.

Data it's all around the organization you need to go for it, find it and use it to improve procceses. Change the culture towards sharing.

THANK YOU

GRAZIE

OBRIGADO

مرکشتم

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