



# Machine Learning (ML)

Pim Witlox



# What do we do?

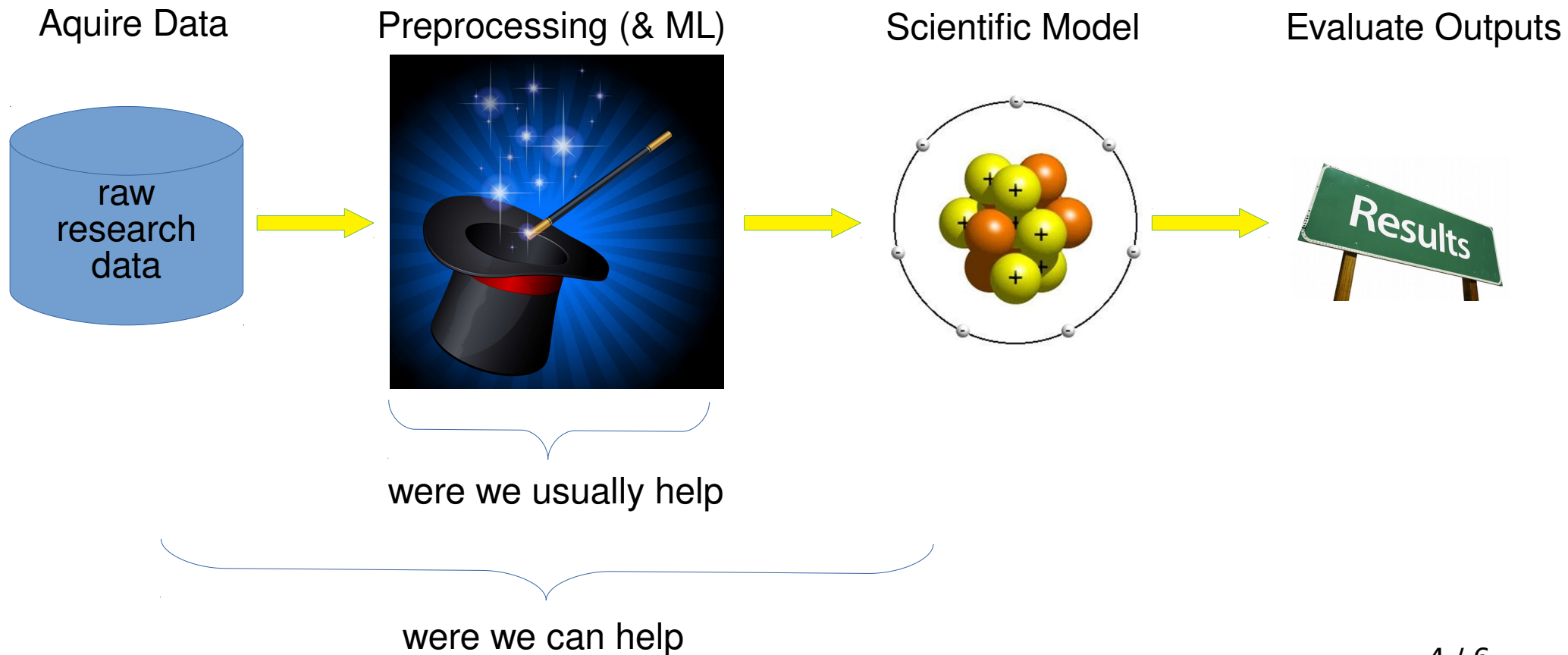
- Provide Infrastructure & Access
- Help in optimal use of Infrastructures
- Support in pre- and post-processing
- Code design, development and review



# Infrastructure for ML

- ScienceCloud
- GPU Cluster
- Large Memory Cluster
- Piz Daint

# Typical ML flow for a Researcher



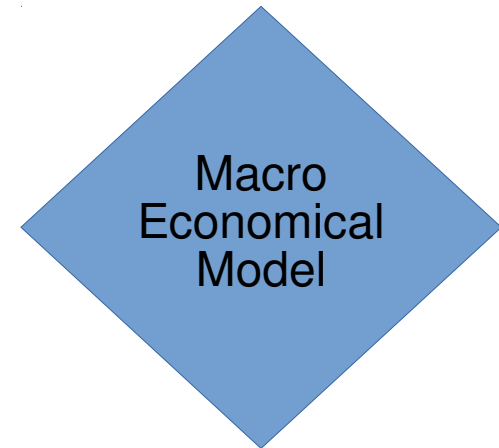
# Example: Twitter

## *Predicting Movie Results by Analyzing Tweets*

Tweets regarding movies



Sentiment Analysis



- Naive Bayes
- Logistic Regression
- RandomForrest
- WordScore
- CoreNLP (Stanford)
- Vader

# Example: Pattern Filtering

*Filter out garbage in Mass Spectrometry*

