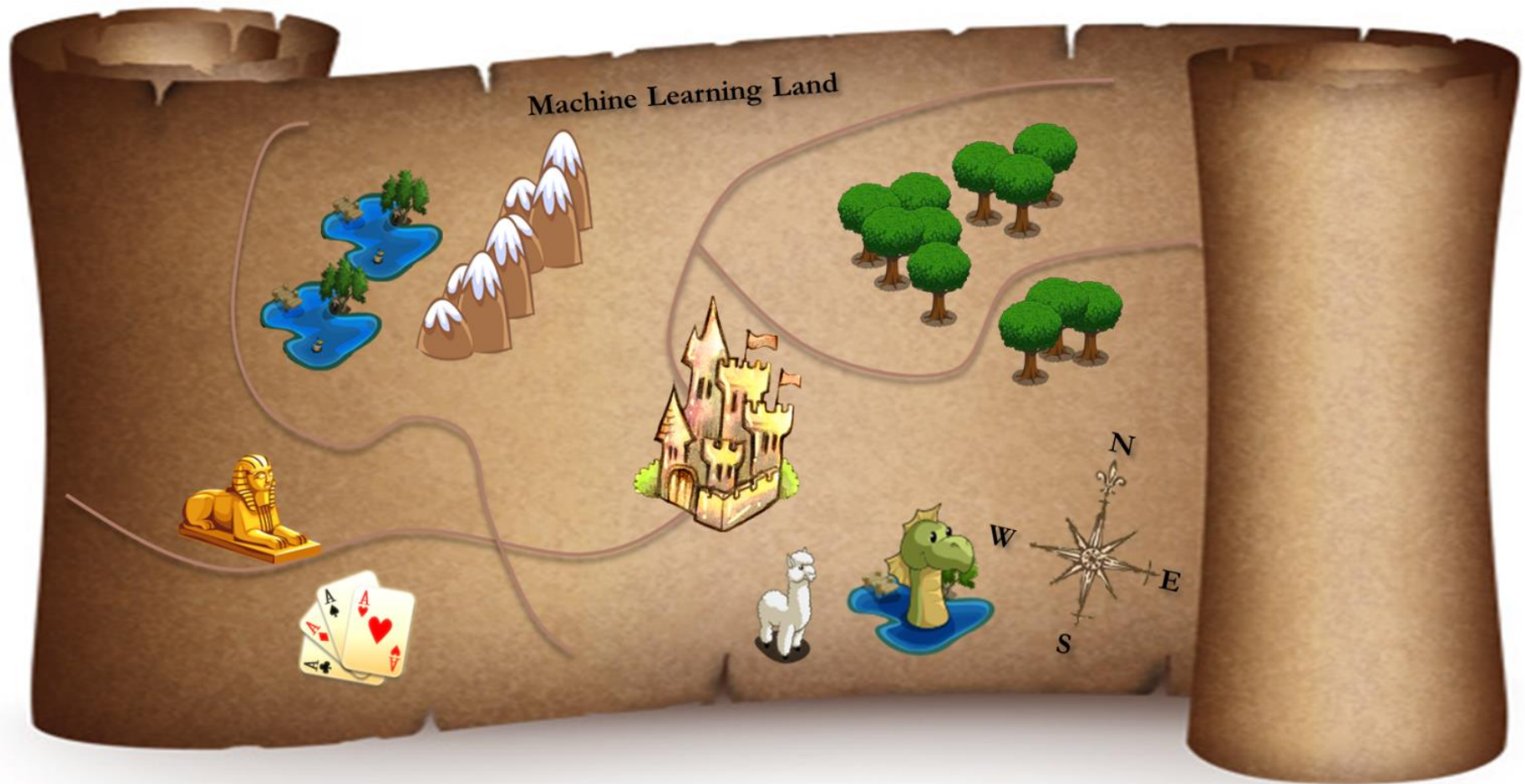


Conclusion



Conclusion

Graphical models,
Neural networks,
Fuzzy sets,
Association rules

Computer vision,
Natural language processing,
Information Retrieval,
Music & Video processing,
Bioinformatics,
Physics,
Robotics,
Finance & Economics,
...

Statistical Learning Theory,
PAC-theory

Semi-supervised learning,
Active learning,
Reinforcement learning,
Multi-instance learning,
Deep learning

Where to go next

► Books:

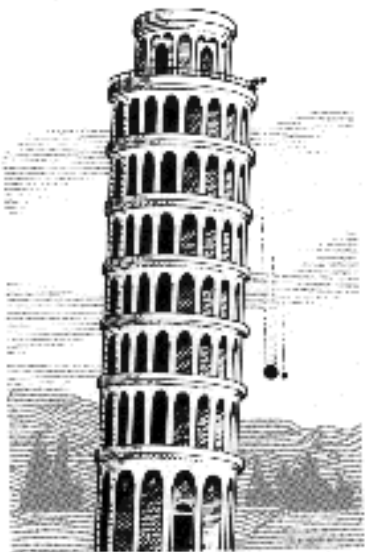
- “The Elements of Statistical Learning” (Hastie & Tibshirani)
- “Pattern Recognition and Machine Learning” (Bishop)
- “Kernel Methods for Pattern Analysis” (Shawe-Taylor & Cristianini)

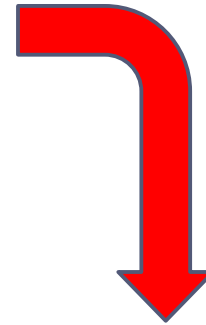
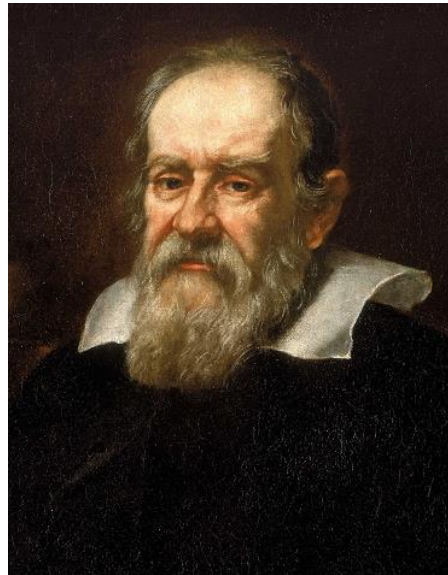
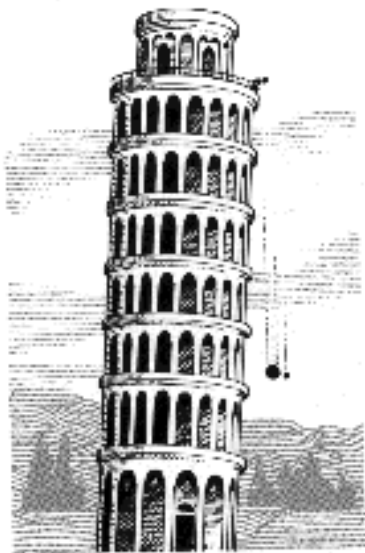
► On-line materials:

- <http://videolectures.net>
- + Coursera, Udacity, edX

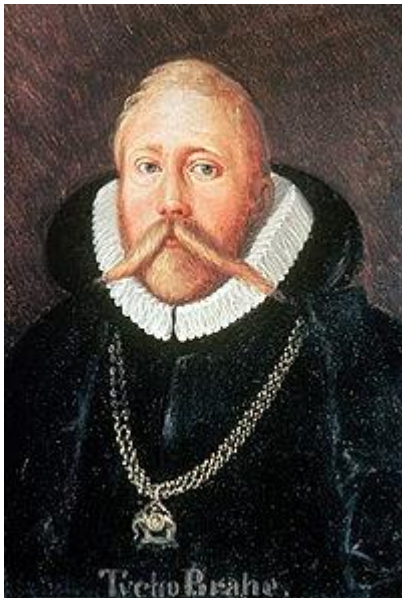
► Tools:

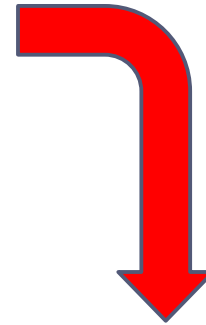
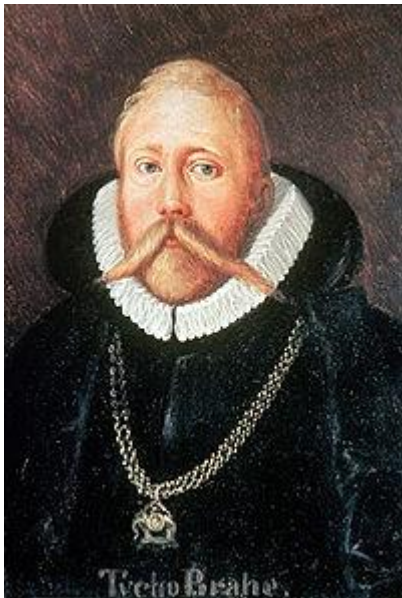
- Python, R, RapidMiner, Weka, Matlab, Mathematica, ...

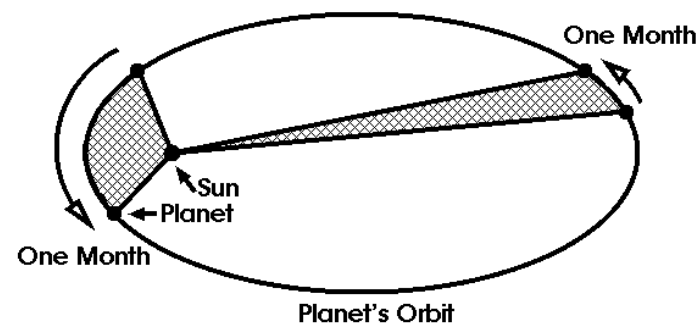
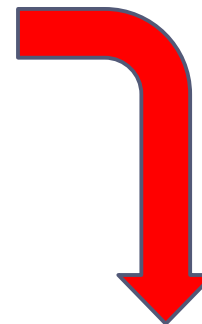
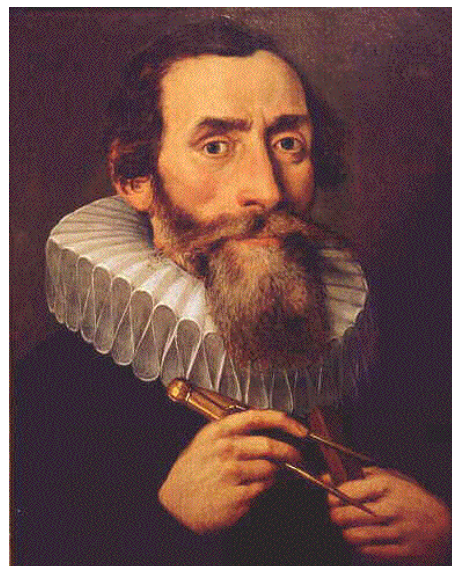
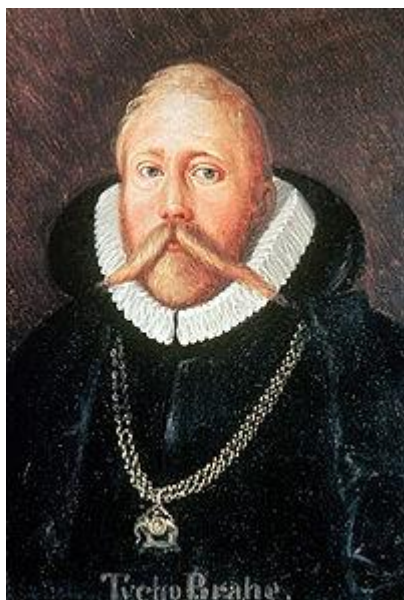


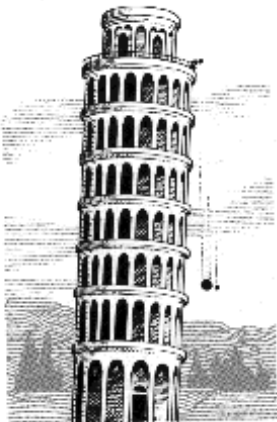
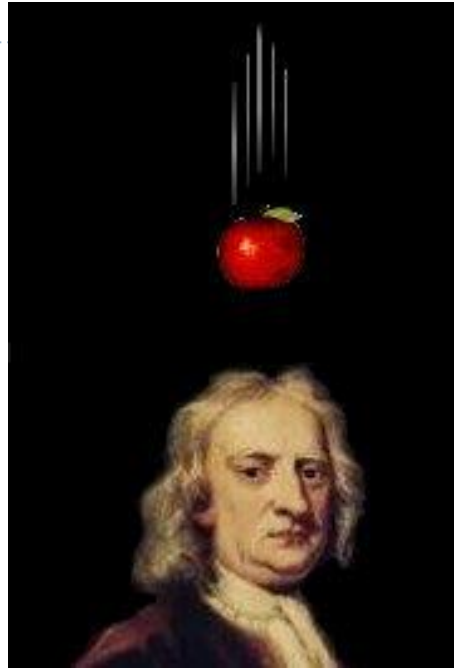
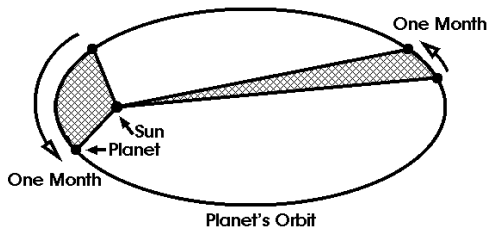


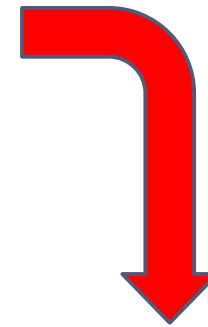
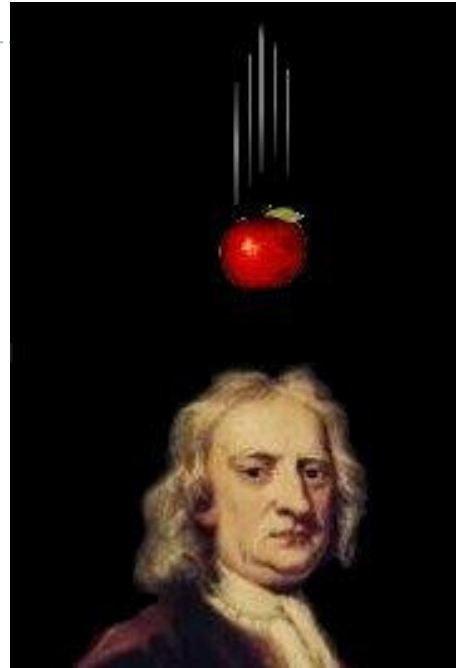
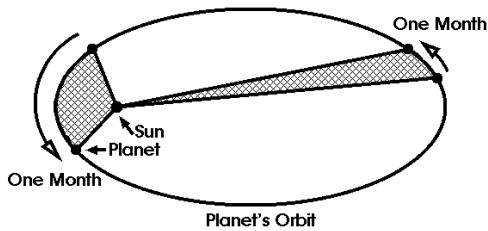
$$s = \frac{a}{2}t^2$$



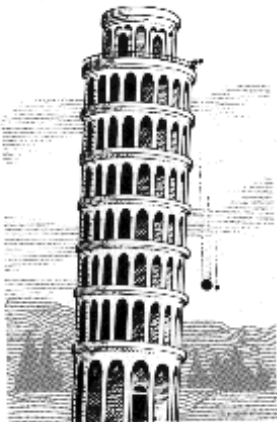




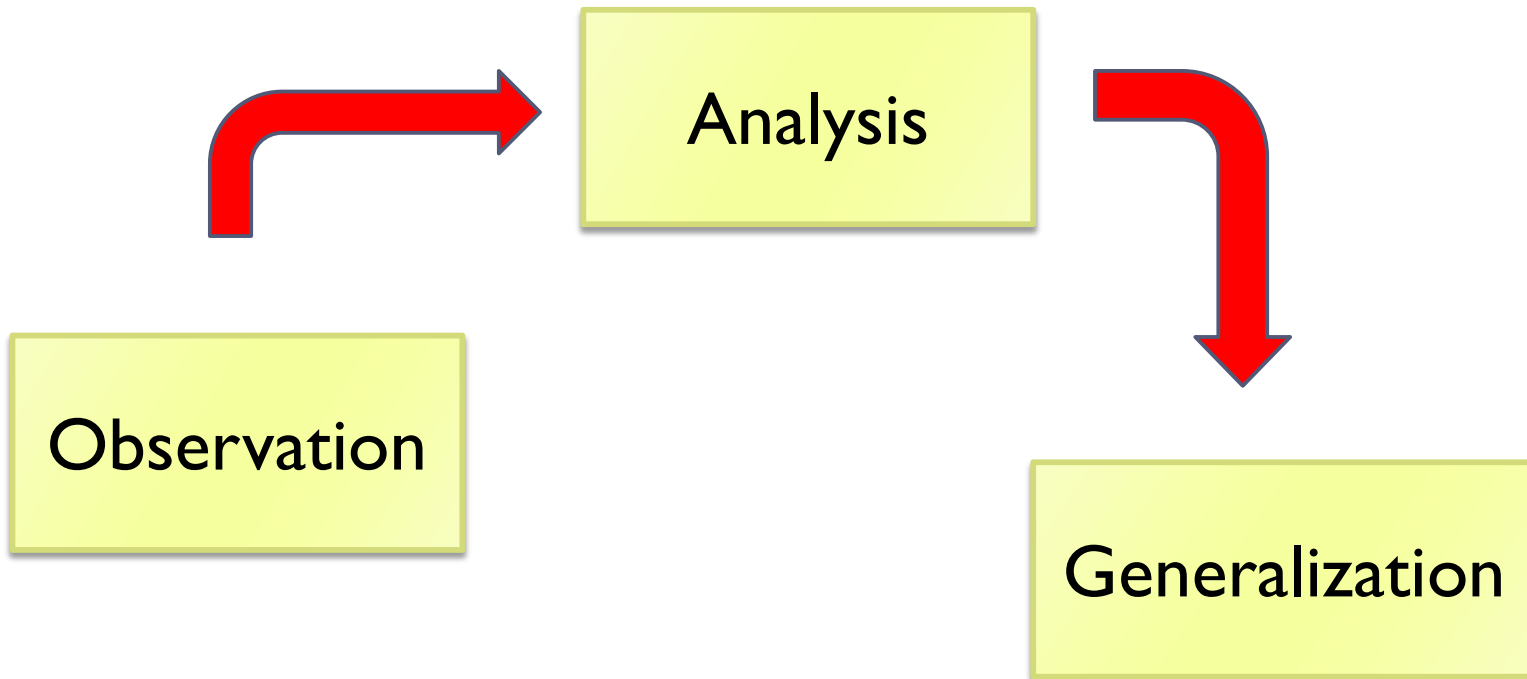


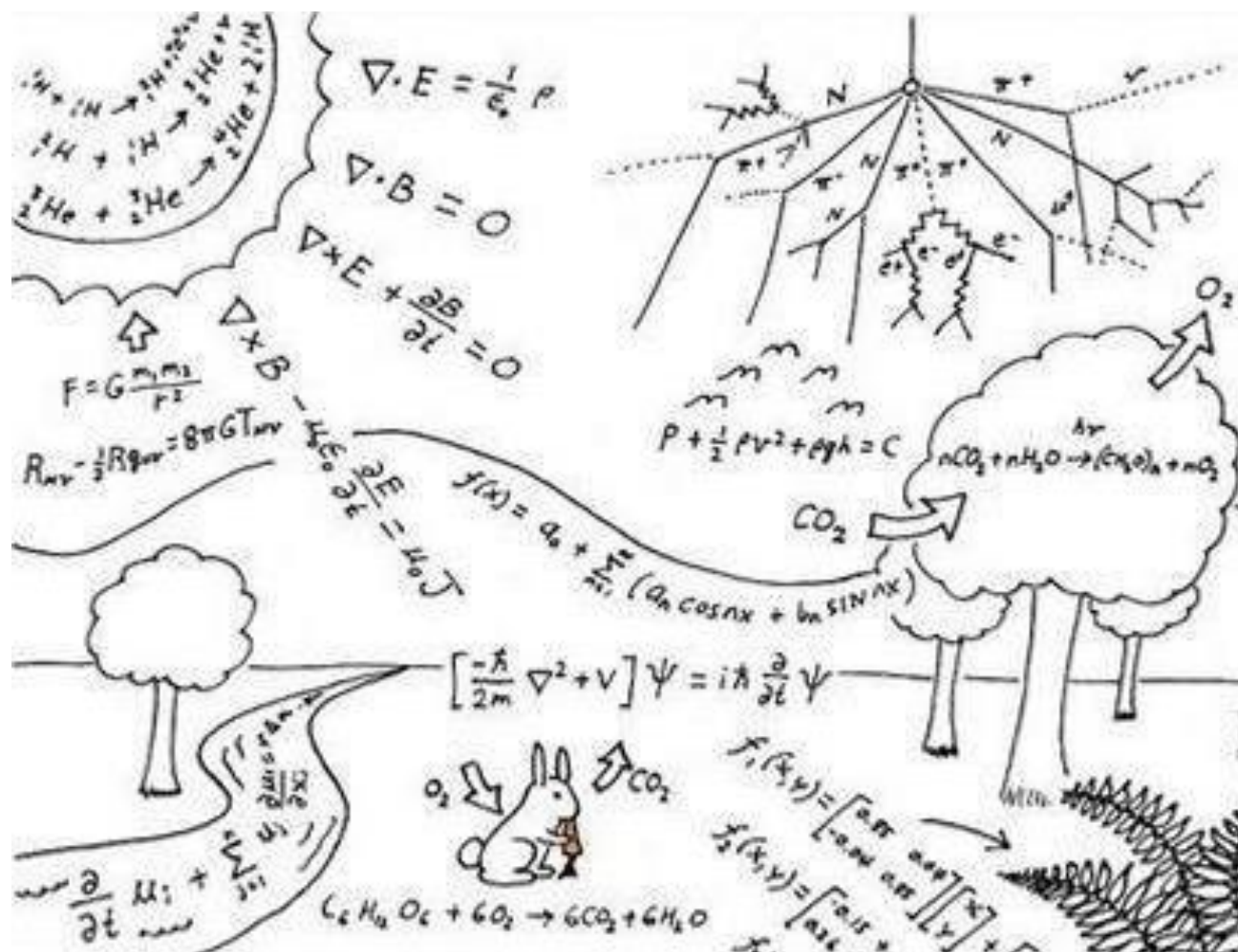


$$\vec{F} = m\vec{g}$$

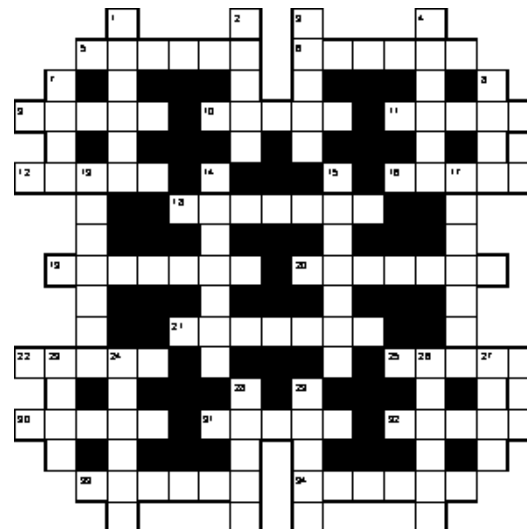


Science





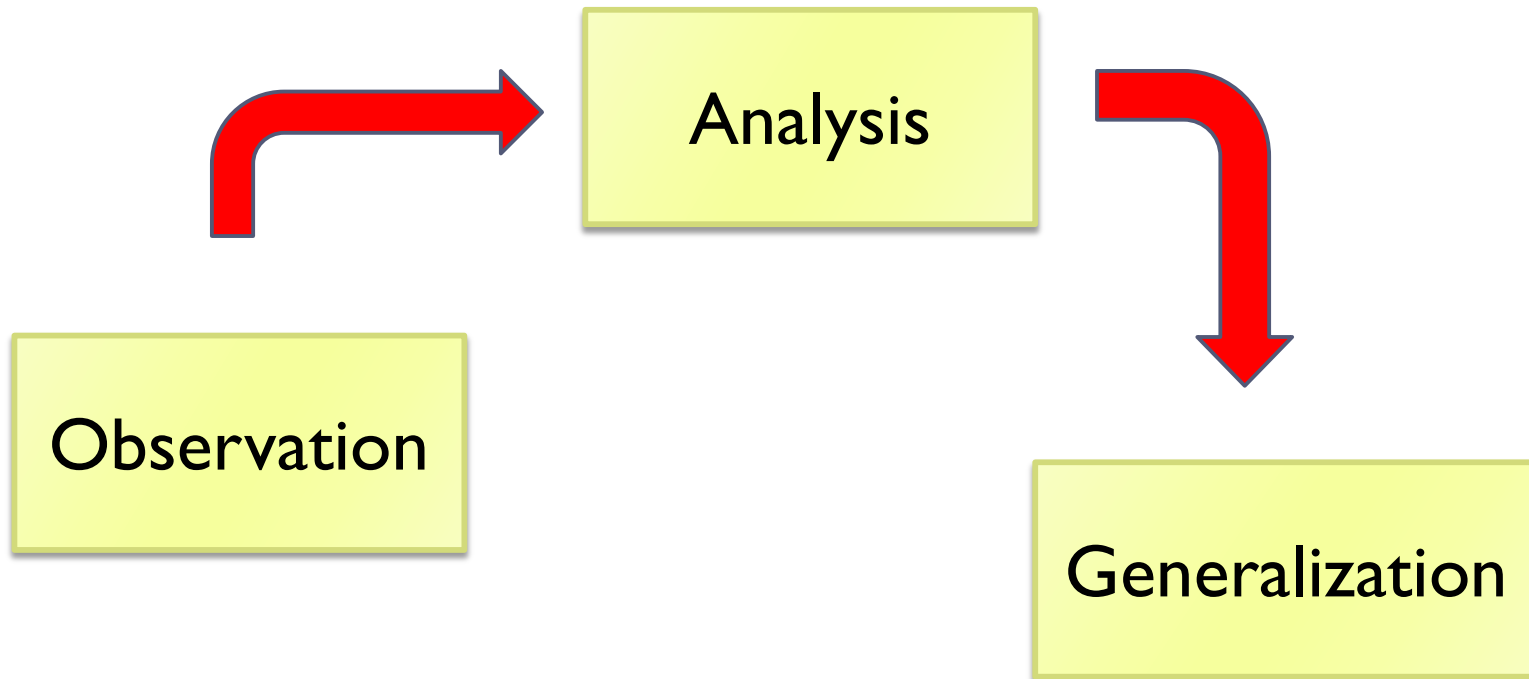
Why?



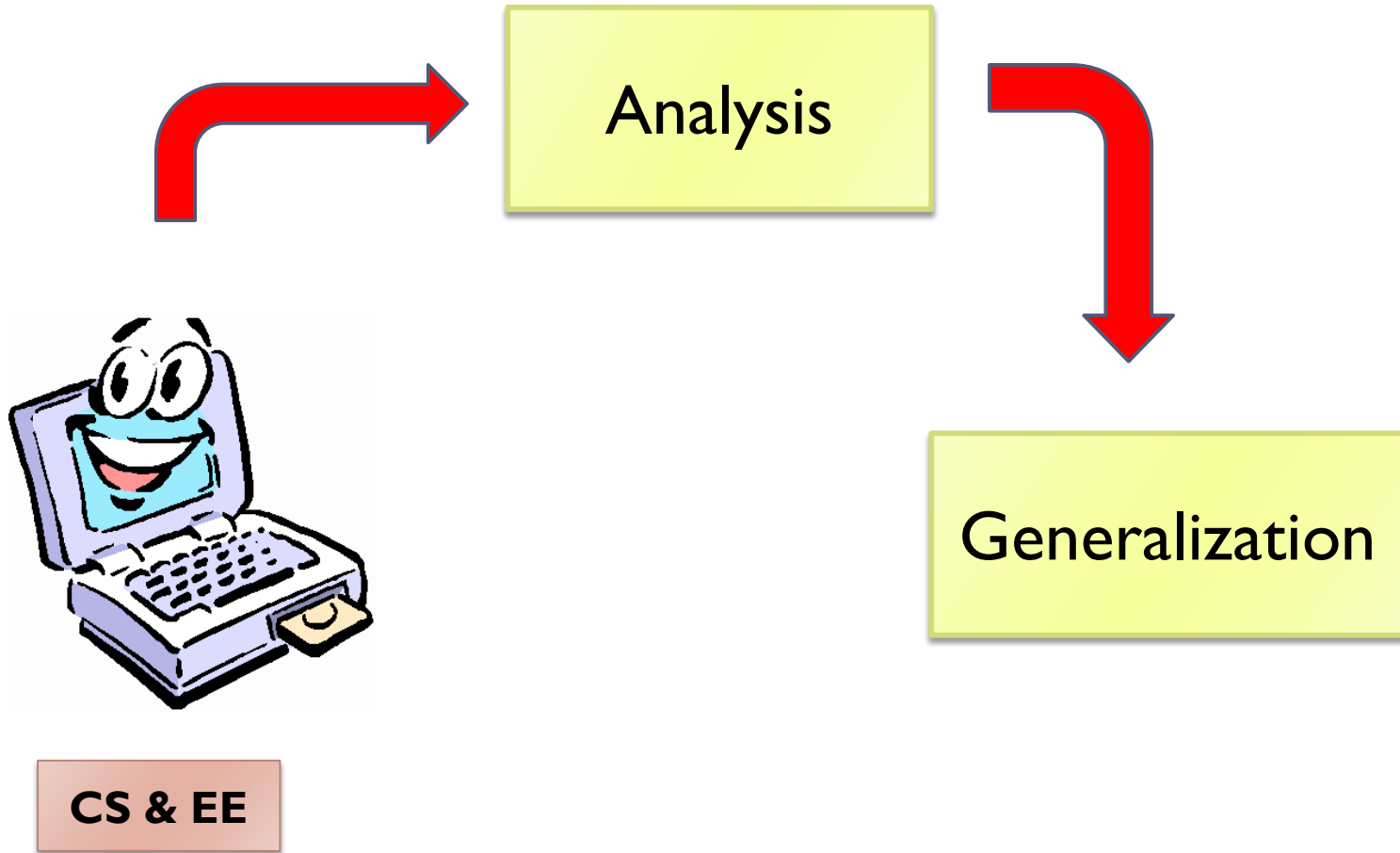
Why?



Contemporary Science



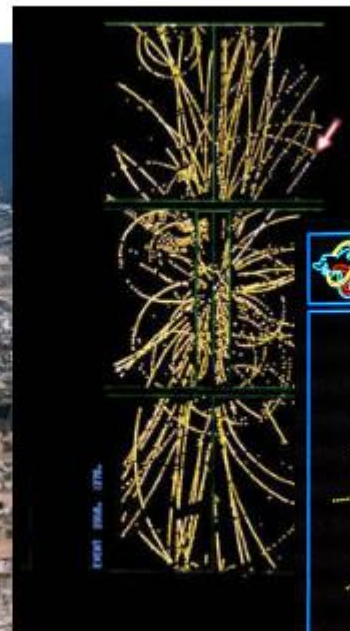
Contemporary Science



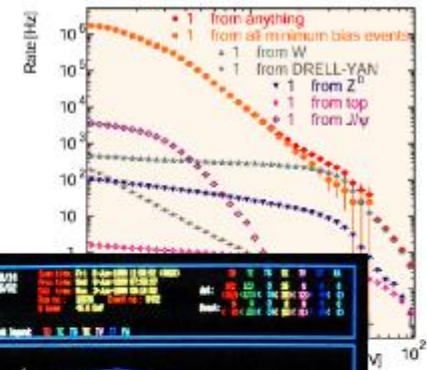
Contemporary Science



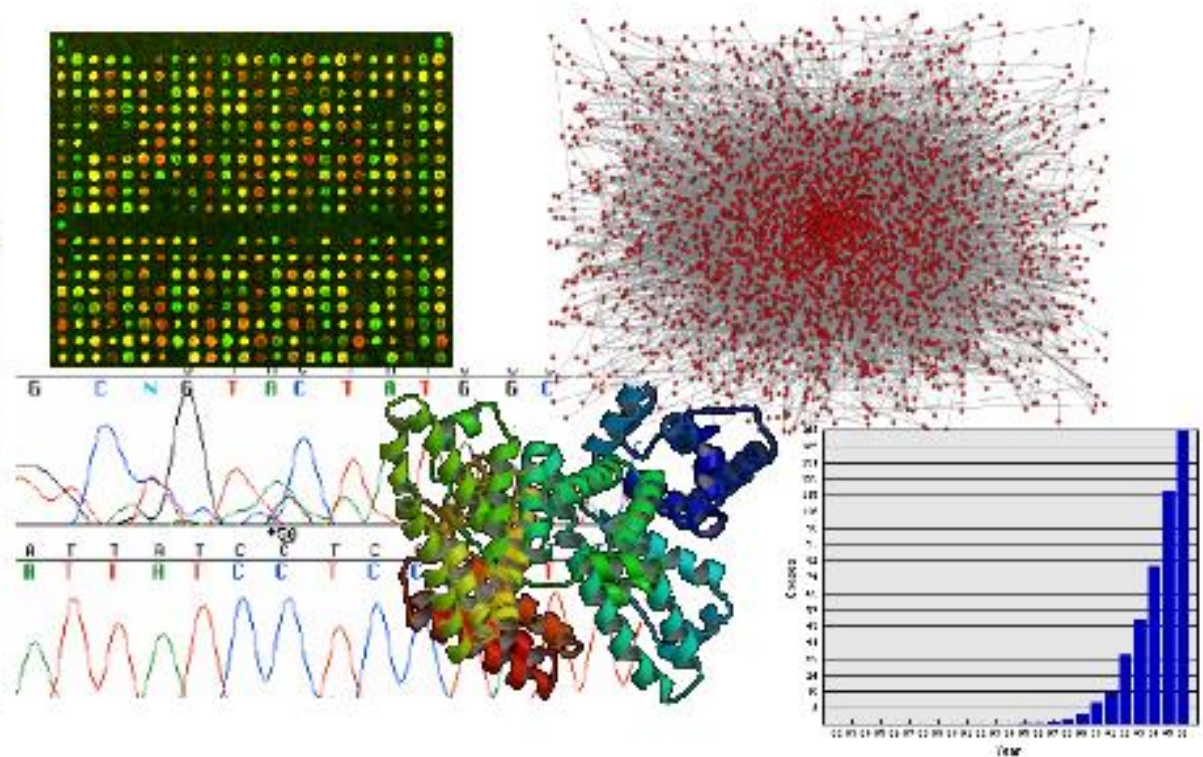
Contemporary Science



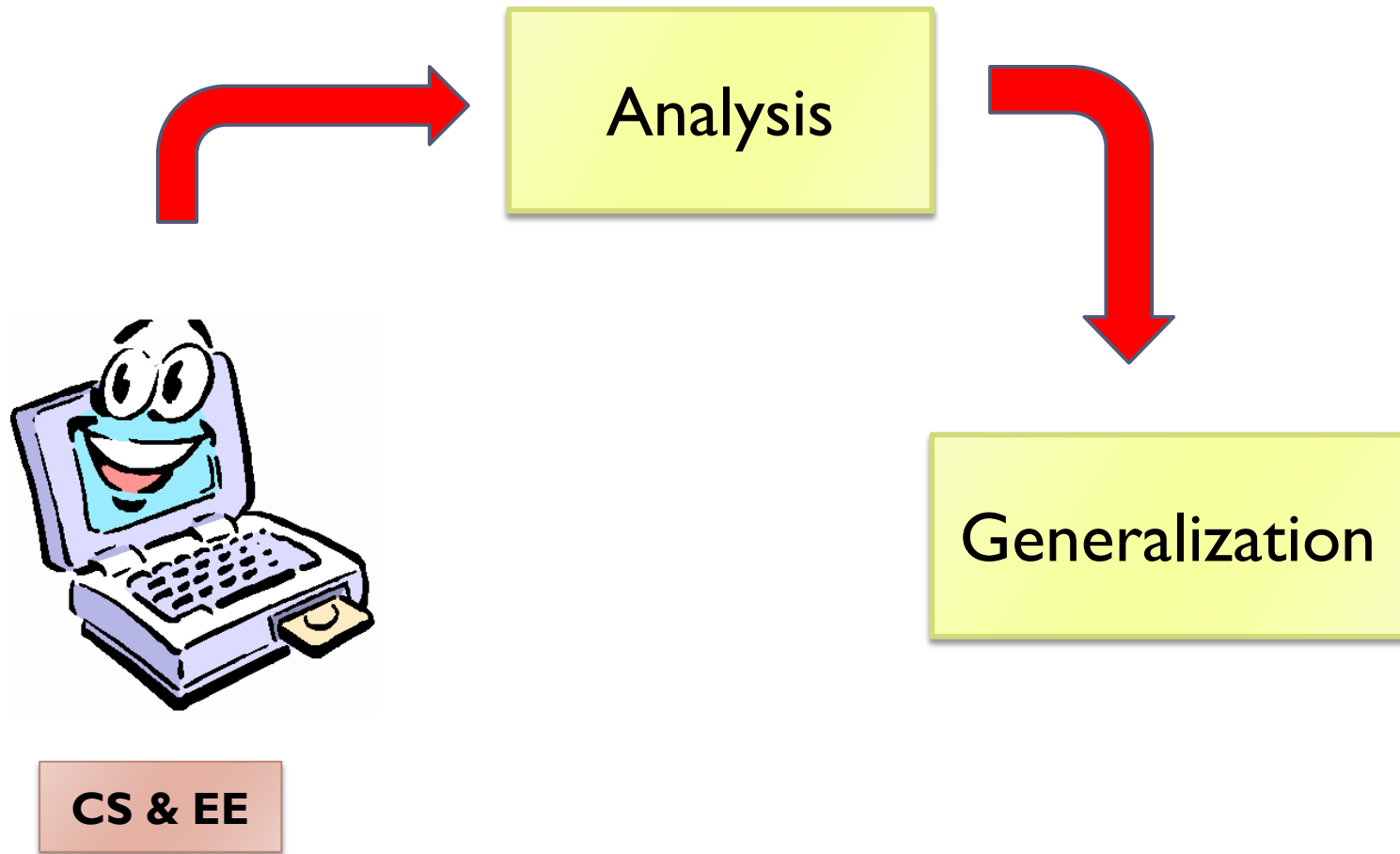
The "Track" of the W Particle
© CERN Geneva



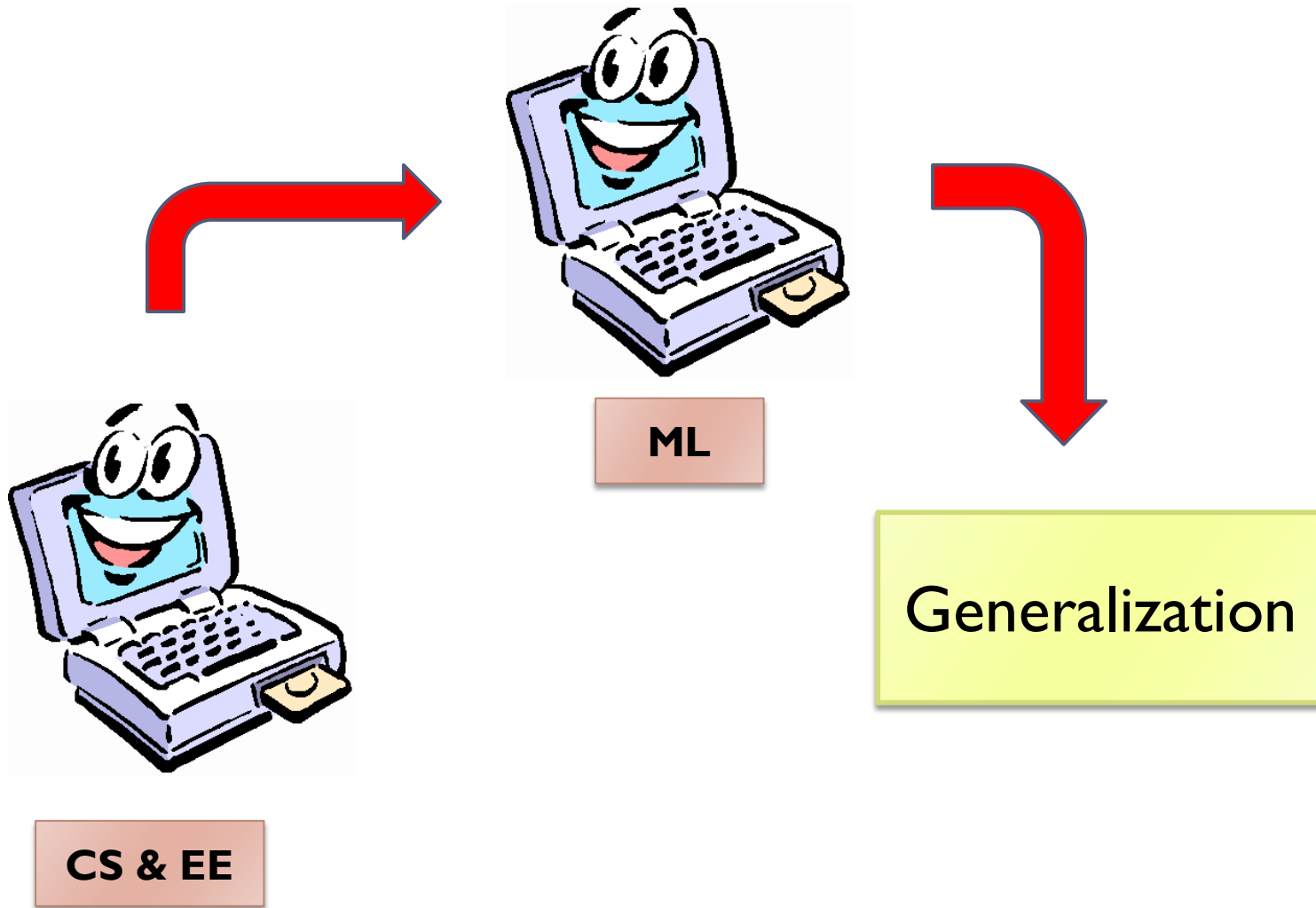
Contemporary Science



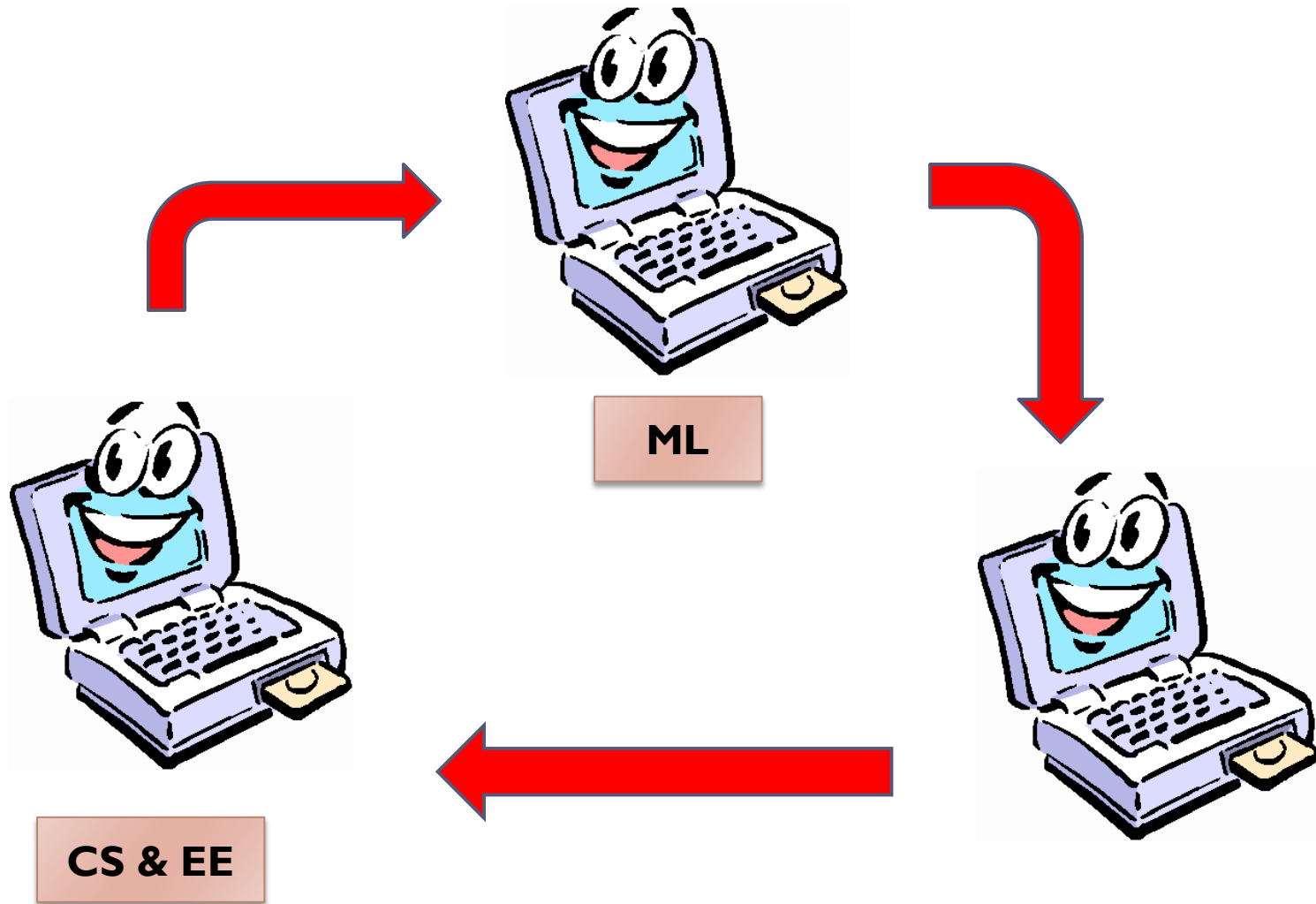
Contemporary Science



Contemporary Science



Contemporary Science







IFI Summer School.
June 2014



Thank You!

