

Beyond Notebooks: how to go to production with h2o

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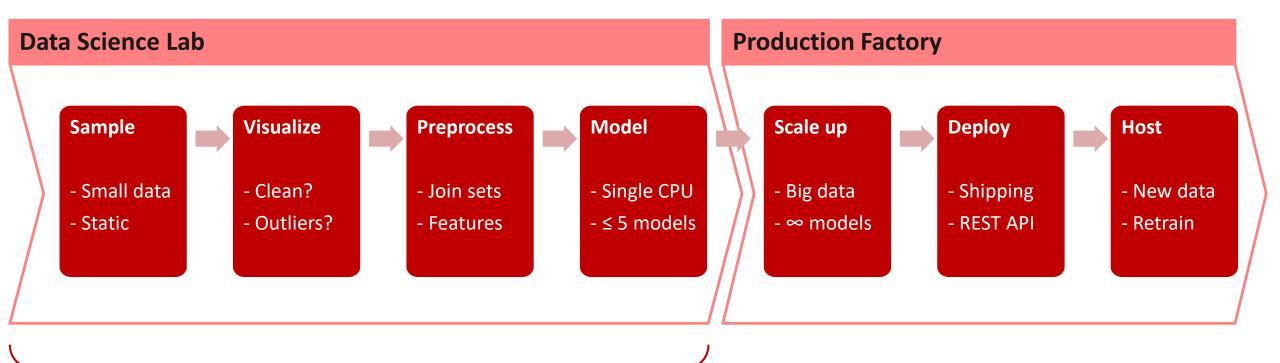
The Problem:





Lab vs. Factory





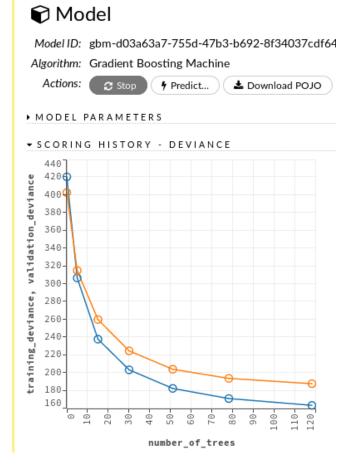




What's h2o?



■ "H2O is an open source, in-memory, distributed, ... and scalable machine learning ... platform ... to build machine learning models ... and easy productionalization ..." (docs.h2o.ai)

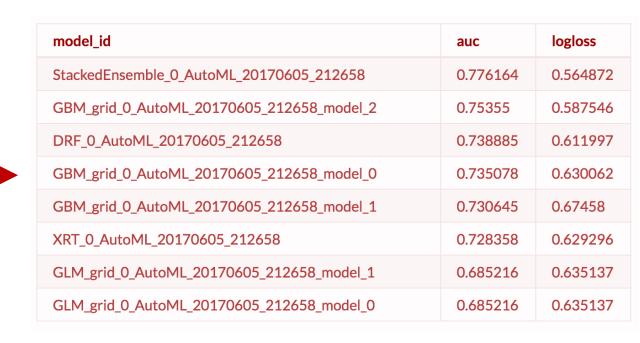






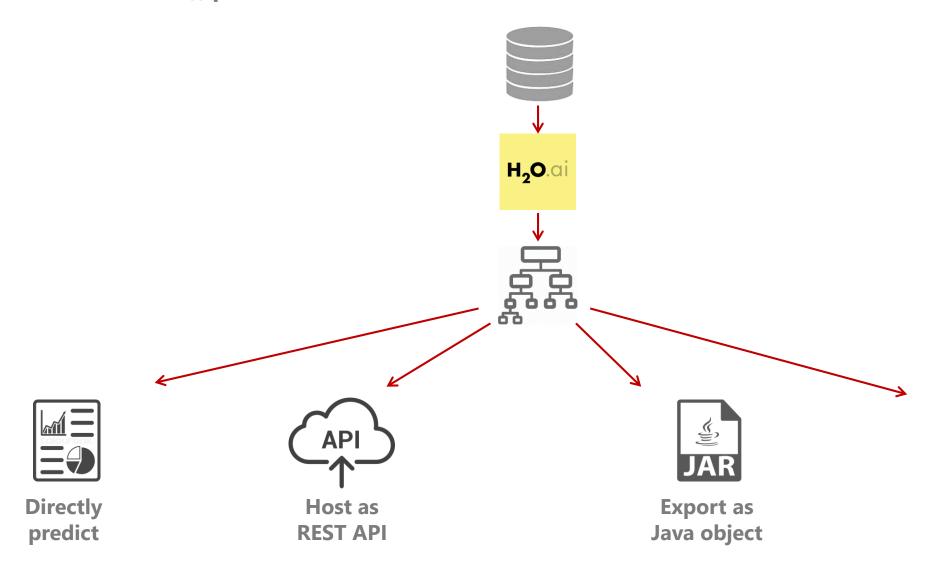
Automated machine learning (AutoML)





Options for "productionalization"







Host on Spark cluster (incl. streaming)

Checklist: how to get ready for production



- Stop using notebooks, asap
- ✓ Use modern DevOps (git, test automation, containers)
- Automate data and modeling pipelines (Airflow, Luigi)
- "Never get high on your own CPU supply" (AWS, Azure)
- **✓** Beat benchmark with *H2OAutoML* and move on
- "Never trust no training sample" (automated retraining)

Coming up: talk on Shiny dashboards with R





Montag, 11. Juni 2018, 19:00

Look, something shiny: How to use R Shiny to make Münster traffic data accessible



Veranstaltet von Shirin G. und Jiskah R.

About a year ago, we stumbled upon rich datasets on *traffic dynamics* of Münster: count data of bikes, cars, and bus passengers of high resolution. Since that day we have been crunching, modeling, and visualizing it. To involve local stakeholders and NGOs (e.g., the IG Fahrradstadt Münster(http://fahrradstadt.ms)), we found the R Shiny framework to be very useful. Shiny is probably the fastest way to take your R projects online. According to...



40 nehmen teil

Teilnehmen



codecentric AG @ Dock14

Am Mittelhafen 14 · Münster

Further reading



- http://docs.h2o.ai/h2o/latest-stable/h2o-docs/booklets/SparklingWaterBooklet.pdf
- http://rstudio.github.io/sparklyr/articles/images/deployment/amazon-emr/emrArchitecture.png
- https://www.r-bloggers.com/the-10-data-science-crack-commandments/