

KDIG Thursday May 31



Matthew Graham: *ML aspects of ZTF*

- ML[classification] => deal with training data
- Storage
- Provenance
- Formats

Real-bogus: Zooniverse

Classify Talk zoom++

ZTF RB_Project ABOUT CLASSIFY TALK COLLECT RECENTS LAB ZTF HOME ZTF IPAC

SCI REF DIFF

Is the transient: real or bogus?

Real

Bogus

Skip

Back Done & Talk Done

Show the project tutorial

Metadata Options Tutorial Discuss

ipac

UWM W

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Kai Polsterer: *ML based, explorative web service*

- ML[dimensionality reduction] => deal with found relations
- Storage
- Provenance
- Formats

Demo

ASTRON Netherlands Institute for Radio Astronomy Home Morphological outliers Downloads Acknowledgements LOFAR-PINK Visualization Tool by Rafaël Mostert

Observe the radio source in different frequencies

Feel free to zoom, scroll or pan around

On the left you can see where the radio source you clicked on is located on the sky. The source might be accompanied or interacting with other sources or

Radio sources from LOFAR survey that resemble the selected prototype (18,17):

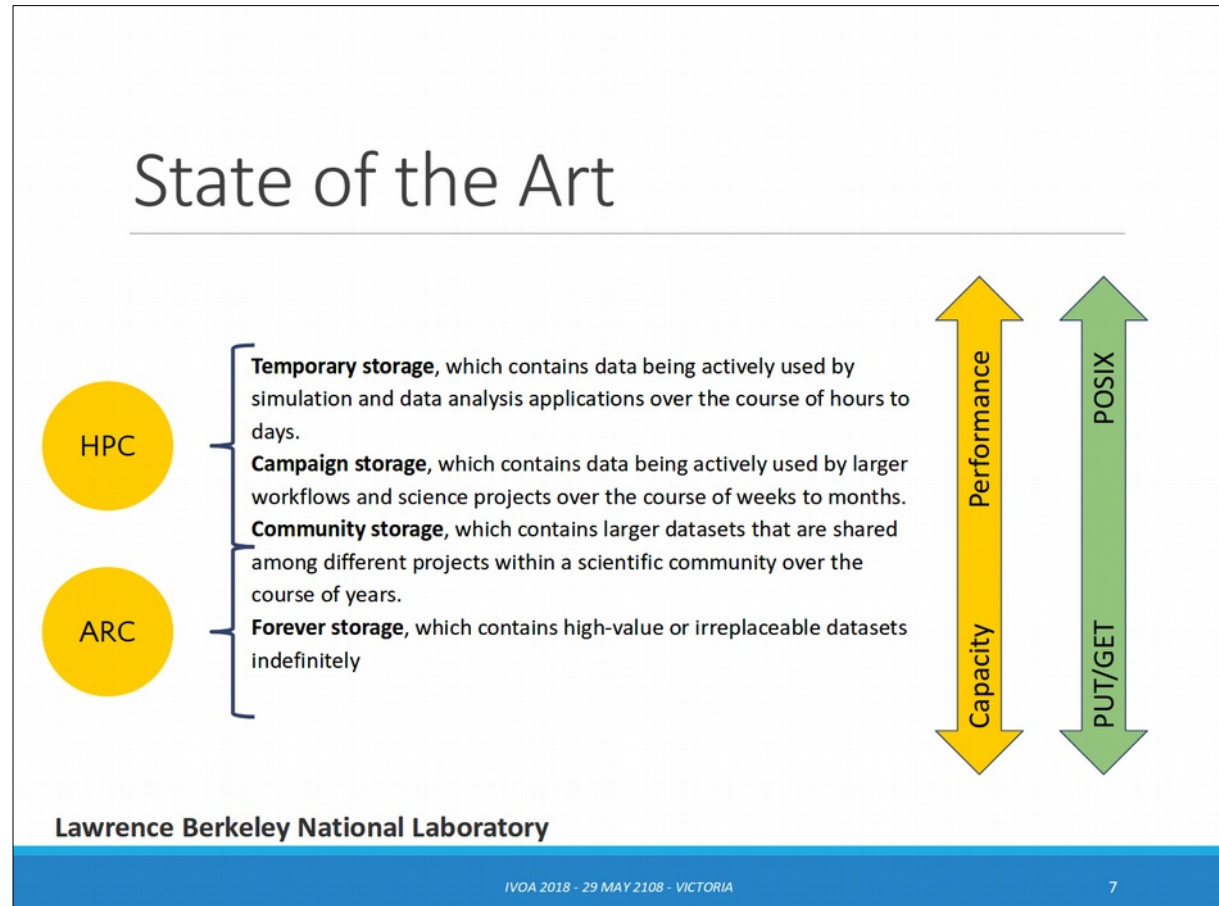
May 31, 2018 IVOA Interop 2018, Victoria | ml-based explorative web-service | Kai Polsterer 22/26

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Giuliano Taffoni: *HPDA: a storage view on data analytics*

- Data analytics => storage/hardware requirements
- Change of paradigm



KDIG Summary

Are we ready for machine learning?

- Storage of ML data
- Provenance in ML analysis
- Formats to store / exchange ML related data
- Change of storage paradigm

What are we missing?