Hardware/Software setup

Hardware

- Most of competitions (expect image-based) can be solved on:
 - High-level laptop
 - 16+ gb ram
 - 4+ cores
- Quite good setup:
 - Tower PC
 - 32+ gb ram
 - 6+ cores

Hardware

Really important things:

RAM

If you can keep data in memory — everything will be much easier

Cores

More cores you have — more (or faster) experiments you can do

Storage

SSD is crucial if you work with images or big datasets with a lot of small pieces

Cloud resources

Cloud platforms can provide you with a computational resources.

There are several cloud options:

- Amazon AWS
- Microsoft Azure
- Google Cloud

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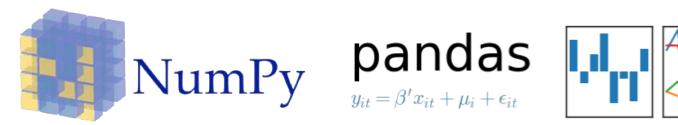
Software: language

Most of competitors use Python data science software stack.



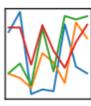
Basic stack

Most of competitors use Python data science software stack.















IDE





Special packages







danielfrg / tsne
forked from osdf/py_bh_tsne

External tools



srendle / libfm

- guestwalk / libffm
- baidu / fast_rgf

Conclusion

- Anaconda works out-of-box
- Proposed setup is not the only one, but most common
- Don't overestimate role of hardware\software