(mini)conda in a nutshell

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Why conda

- ► easy to install
- ► provide prebuilt packages, optimized with hadware-specific libraries (MKL, CUDA)
- ► manage one-step installation of challanging tools such as TensorFlow
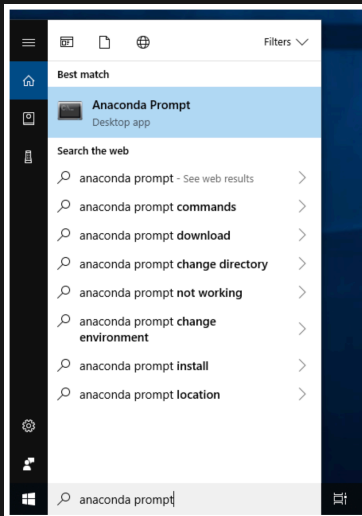- ► foster reproducibility

Why `miniconda`

- Anaconda is $\sim 3\,$GB
- Miniconda is $\sim 60\,$MB

Get it now

docs.conda.io/en/latest/miniconda.html

Start conda

Start `conda`
Linux and Mac

fire up a terminal

Update conda

```
conda update conda


Proceed ([y]/n)? y
```

Create a `conda` environment

```
conda create --name ap2021 python=3.9


Proceed ([y]/n)? y
```

Activate the new `conda` environment

```
conda activate ap2021
```

Install useful packages

```
conda install --yes ipython jupyterlab
```

conda cheat sheet
Environments

```
conda create --name ENVNAME python=x.y
conda activate ENVNAME
conda deactivate
conda info --envs
conda remove --name ENVNAME --all
```

conda cheat sheet
Packages

```
conda search PKGNAME
conda install PKGNAME
conda list
conda uninstall PKGNAME --name ENVNAME
```

conda cheat sheet
More . . .

conda-cheatsheet.pdf