```
FROM continuumio/miniconda3:4.9.2

ARG port=8888

ENV NOTEBOOK_PORT $port

RUN conda config --set auto_update_conda false \
    && conda config --set notify_outdated_conda false \
    && conda config --prepend channels conda-forge \
    && conda config --set channel_priority strict \
    && conda install -Sy \
        python==3.8.5 \
        pip==20.2.4 \
        notebook=6.1.4 \
        ipywidgets=7.5.1 \
        jupyter_contrib_nbextensions=0.5.1 \
        tini=0.18.0 \
        numpy=1.19.1 \
        pandas=1.1.2 \
        matplotlib=3.2.2 \
        seaborn=0.11.0 \
    && conda clean -afy

COPY jupyter_notebook_config.py /root/.jupyter/

WORKDIR "/mnt"

ENTRYPOINT ["tini", "-g", "--"]

CMD ["jupyter", "notebook"]
```

Data analyses in Docker

1. Write a *Dockerfile*

2. Build an *image*

3. Run a *container*

Dockerfile Instructions


WORKDIR

- Sets the working directory for subsequent instructions and containers run from the image

- `/mnt` will be the “mount point” for our container

```
from os import getenv


c.NotebookApp.ip = "0.0.0.0"
c.NotebookApp.port = int(getenv("NOTEBOOK_PORT"))
c.NotebookApp.open_browser = False
c.NotebookApp.allow_root = True
```

3. Run a *container*

1. Write a *Dockerfile*

2. Build an *image*

- Sets the working directory for subsequent

instructions and containers run from the image


ENTRYPOINT


CMD