Class of 04/22/2019

Airflow: Directed Acyclic Graphs
- <u>Directed Acyclic Graph (DAG)</u> - a collection of points (nodes) connected by arrows (edges) where
    - none of the edges form a cycle (doesn't make a circle)
    - the edges go a single directed
- Nodes in the DAG - tasks
- Edges in the DAG - dependencies
    - <u>dependency</u> - a requirement for a prerequisite before something runs

Airflow Commands
- `airflow <command>`, where `<command>` is one of:
    - `list_dags`
        - take a guess
    - `list_tasks <dag> --tree`
        - lists all tasks in the DAG `<dag>`
    - `test <dag> <task> <date>`
        - test the task `<task>` in `<dag>`
    - `backfill <dag> -s <start date> -e <end date>`
        - run `<dag>`
    - `clear <dag> -s <start date> -e <end date>`
        - clear the data for the DAG `<dag>`

Using the CLI for Airflow and BigQuery
- For information on tasks you can use in conjunction with `airflow` and `bq` (BigQuery), type `airflow --help` or `bq --help`
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