

# Movie rating prediction README

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A project for COMP6/4118 in Spring 2019.

By David Reddick and Thomas Goodman.

This project uses Surprise and the SVD algorithm to demonstrate collaborative filtering on the MovieLens latest small dataset.

## Setup instructions

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You will need to have Python 3 installed on your system.

Run this command to install a few extra dependencies:

```
pip3 install numpy scikit-surprise tkinter
```

You will also need to install the `python3-tk` (Debian/Ubuntu) or `python3-tkinter` (Fedora) packages. On Windows, it can be installed with the "tcl/tk and IDLE" check box under optional features in the Python 3 installer.

## Usage

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This project uses a single Python script. Run it with `python3 predict.py` Any other usage instructions are shown in the GUI.

