Install Sim\_generations on Windows

Step 1: **Install Python** (if not already installed)

1. Go to <https://www.python.org/downloads/windows>

Click on the Downloads button then the Python button under Downloads for Windows.

Save the python\*\*\*.exe file in your Downloads directory, then double-click on it.

Be sure to click on the check box “**Add python.exe to PATH**”. Very important!

2. Click “Install Now”.

3. Click the Close button.

Step 2: **Install Git for Windows** (if not already done in the past)

https://git-scm.com/downloads

Click on "Windows"

Click on "Click here to download"

Save the Git-\*.exe file in your download directory and then double click on it.

Accept the default installation directory and all the default recommendations.

In the cmd window type cd C:\Users\[YourUsername]\ (where Sim\_generations is to be installed)

Type: git clone https://github.com/RoyalTr/Sim\_generations.git

Step 3: **Set Up a Virtual Environment**

1. In the cmd window type: cd C:\Users\[YourUsername]\Sim\_generations

2. Type: python -m venv venv

3. Type: venv\Scripts\activate

4. Type: pip install -r requirements.txt

Each time you want to use Sim\_generation you must activate the virtual environment first:

cmd then type cd C:\Users\[YourUsername]\Sim\_generations\

venv\Scripts\activate

Run the program you want e.g.,

cd Fix\_1\_haplo

python Fix\_1\_haplo.py

To close the venv when done, type exit.