Instructions for Installing ImageMagick

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1 Introduction

As part of problem 4 in homework set 1, you will run code to visualize stochastic gradient descent. In order to generate animations, you may need to install ImageMagick, which includes a library for handling multimedia data. This document contains instructions for installing ImageMagick. Please refer to the section corresponding to your operating system.

2 Windows

The instructions for Windows can be found on the website listed in step 1, and the steps are also restated below:

1. Go to https://imagemagick.org/script/download.php#windows.

2. Select the version that is appropriate for your computer.

3. The Windows version of ImageMagick is self-installing. Simply click on the appropriate version below and it will launch itself and ask you a few installation questions.

3 Mac

To install FFmpeg on a Mac, you can use Homebrew (`https://brew.sh/`). The steps are as follows:

1. If you don't have Homebrew, install it. Do this by typing

   `/usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"`
   at a Terminal prompt.

2. Next, type `brew install brew install imagemagick` in your Terminal prompt, and wait for it to finish installing.