Cardiovascular risk computed via Deep Learning (DL) on thoracic CT scans (Med3DResNet)

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How to run package for evaluation

Because the annotation tool requires a GUI, we will use a PyPI package and a separate virtualenv for dependencies. Docker does not natively support GUIs and workarounds are too elaborate for this simple package.

Build steps (developers only):

1. Run commands to build a tarball and wheel

   a. ```python3 -m pip install --user --upgrade setuptools wheel```
   b. ```python3 setup.py sdist bdist_wheel```

Install steps:

1. Ensure Python>=3.6 is installed on your machine

2. Open a terminal and cd to a directory where you want to store the package

3. Download .zip from OneDrive with all data/pip packaged code and unzip

   a. SEE GIVEN LINK

4. Setup a virtualenv for use with this project only

   a. ```python3 -m venv acvproject```
   b. ```source acvproject/bin/activate```
5. Install package using pip
   a. ```pip install MED3DRESNET-1.0.tar.gz```
6. Cd into ACVProject directory
7. Open README.md for project details and open the two PDFs in the documentation subfolder for a tutorial on using the annotation GUI and train/testing of the CNN.
8. Happy training!