README

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The IG_Anthro_AP.py program locally computes healthcare data using the InterGrowth, Anthro, or AnthroPlus programs. The data entry is terminal-based, and for this reason the program is useful for those who are collecting data for one child at a time and do not necessarily have access to power and/or internet. It compiles properly on Python 3.6.8.

The program will determine based on your input data whether to run Anthro, AnthroPlus, or Intergrowth. The "Visit Date" and "Birth Date" information is only used for Anthro, and the "Age in Weeks" and "Days" information is only used for Intergrowth. If you know you are not running Intergrowth, you may enter nothing into the "Weeks" and "Days" area. Once you enter the data for the child, all the relevant results will be displayed in the terminal, and all of the child's data will be appended to the file today.csv. In addition, every time the program is run, there will be visualizations of the child's z-score available. These must be closed for the program to finish.

To run the IG_Anthro_AP.py program, navigate to the appropriate directory in the terminal, and enter the command 'python IG_Anthro_AP.py'. You will then be given a series of prompts, the first of which asks if you would like to do a "New census." Enter 'y' if you would like to store the contents of today.csv in a file labeled 'DAY-MONTH-YEAR_census.csv' and clear today.csv, and enter 'n' if you would like to simply append the children's information to today.csv.

If you make a mistake entering the child's information, simply enter 'u' to undo and redo the previous entry. Also, if you would like for the day, month, and/or year of the visit day to be that of today, simply do not enter any information in the corresponding area. If you do not plan on using Intergrowth, the "Age in Weeks" and "Days" will be computed automatically from the previous entries if you leave these fields blank. If you are missing some of the child's information, do not enter anything in the corresponding area.

The Anthro_test.py programs verifies that the Anthro computations in IG_Anthro_AP.py perfectly recreate those in the 500 sample cases available here. The AnthroPLUS_test.py programs verifies that the AnthroPlus computations in IG_Anthro_AP.py perfectly recreate those in the 933 sample cases available here.