## Project outcomes

Two folders of generated slice images can be found in the attached zip. Cross- sectional images can be generated for any point of the skull, which is something that has never been done automatically before.

At the current stage of the project. A human has analyzed the generated images, and has produced an age estimation, more accurate than estimates produced by already existing studies.

The automatically executed metric system is currently being worked on by me, and has the potential to introduce a significantly more efficient and effective than any existing one method for age estimation based on cranial suture analysis.

The project has so far produced more than 6500 images of cross-sectional suture images from more than 15 skulls.

After appropriate labeling, those images will be used to train an image segmentation neural network, to distinguish and mark a region in which, a part of a suture is present. The properties of the pointed-out suture (suture color, suture width) will further be analyzed. An overall statistic and conclusion about the age of the individual will be made based on the results produced on each image.

An example of what the image segmentation neural network has to achieve can be found in the deep\_learning folder.