

Learning to Code with Google Colab: A Peruvian Electronic Engineering Students' Perspective

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Abstract

This study shows the benefits of Google Colab or Colaboratory, basically an executable document to write, run and share code written in Python. A course to learn to program was given to eight students from the electronic engineering career from the Universidad de Ciencias y Humanidades. The course was made up of 17 weekly sessions, each lasting a total of 3 hours. The course was focused on teaching virtually control flow statements and some Python libraries by using Google Colab. A survey was administered to the students and they showed a general agreement that Google Colab was a great tool in the Cloud and they indicated that they would like to keep learning more advanced Python using this tool.

Keywords: Google Colab; programming; electronic engineering; Python