

**Progress Report 3：**

**Technology Review**

**Team 14: GOSH: App for child growth charts in R**

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**Potential Solutions**

There were three main practical options we could have chosen to complete our application project: Python, HTML or R. Each had its own advantages and disadvantages tailored towards our project and eventually R was the selected language.

* **Python**

Python is a simple and easy to use programming language. It is also efficient at graph drawing and plotting data. It can be limited and slow at times compared to other languages. Additionally, weak mobile compatibility would make it hard to support the app on mobile devices if we choose to do so.

* **HTML**

HTML is the standard mark-up language for creating web pages and web applications. It is widely used and therefore supported across all browsers. There are many available resources when coding in HTML. However, HTML isn’t ideal for plotting data onto graphs which is one of the main features of our project.

* **R**

R is a free language orientated around statistical and data analysis. All of the standard statistical tests, models and analyses are incorporated into R. This makes it ideal for dealing with and manipulating large amounts of data and plotting them onto graphs. However, a disadvantage of picking R is that it was a new language to everyone in the group.