1. **Introduction:**

This report investigates a set of 230 Parkruns run on Saturdays in Canterbury. A parkrun is a 5-kilometer race run simultaneously by groups across the country with the aim to get the best time possible. The data we analysed shows the fastest male and female races for each event recorded in seconds.

The purpose of the report is to compare the times between the fastest female and male racers and show changes in running period over time. The data consist of a run number, the fastest male time and the fastest female time in a table for the 230 races.

**Table 1.1: Extract of data- fastest times to complete Parkrun**

|  |  |  |
| --- | --- | --- |
| Run\_Number | Male | Female |
| 230 | 1149 | 1212 |
| 229 | 1105 | 1265 |
| 228 | 1148 | 1590 |
| 227 | 1163 | 1385 |
| 226 | 1179 | 1195 |
| 225 | 1166 | 1429 |
| 224 | 1216 | 1274 |
| 223 | 1195 | 1406 |

In section 2, we compare the fastest male and female times and in section 3, we look at the changes over time with a concise conclusion in section 4. The appendix contains the R code for all the graphs in the report.