# Galton Height

This application is based on Galton's research. In this application a Predictive Model was built by using a LOESS model (Local Polynomial Regression Fitting). Given the height of parents and the gender, this application estimates the child's height.

At the top there is the navigator panel. There you can select the desired panel. Five panels organize the application: Only height of Parents, Males, Females, Predictor and documentation.

## Only height of Parents

In this panel presents the Regression disregarding the child gender and the Residual Distribution.

There are 2 sliders. Both are used to define the angle rotation of graph.

## Male

In this panel presents the Regression considering that the child gender is Male. And below this graph there is the Residual Distribution of this regression. There are 2 sliders just like the previous panel.

## Female

This panel has similar features to the Male Panel, however the child gender is Female.

## Predictor

This panel allows the user to choose the height of parents and the child gender. From these parameters, the application estimates the child height.

## Documentation

In this panel there is a link to download this documentation.
(In fact, this link is in all panels of the application).