

PredHeight Application Manual

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Purpose of the Document:

This document is used to provide documentation to the users of the Shiny application **PredHeight**. This app can be used to predict height of children from the height of the parent.

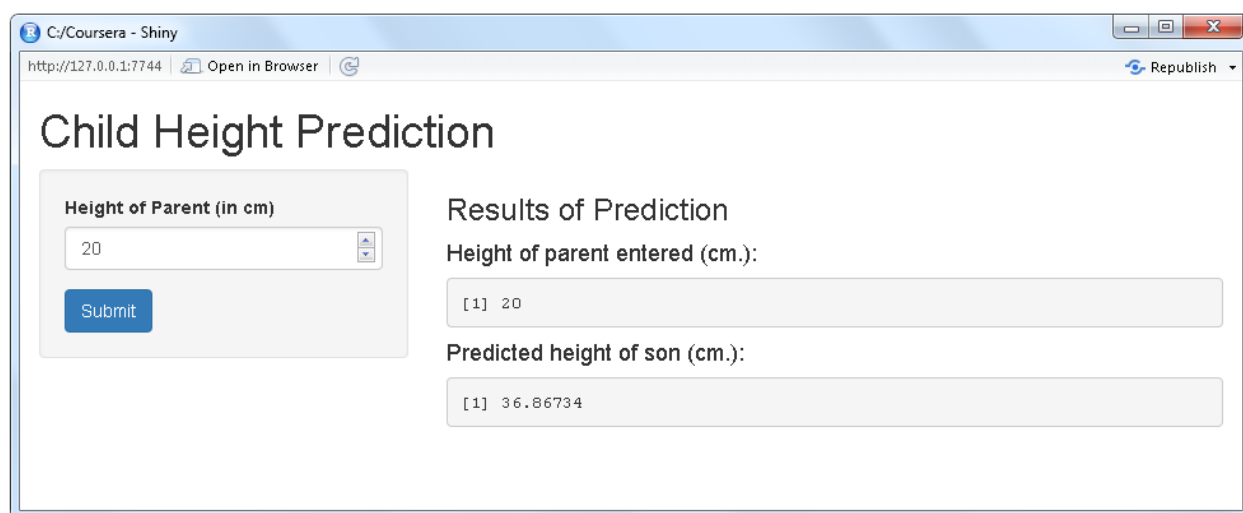
Technical Background:

This is a small but effective application which can be used to predict height of children based on height of parent used as input. As a training data to the model, famous “Galton” dataset has been used. It then models the prediction based on curve fitting principles ($Y = B_0 + B_1 \cdot X$).

User Instructions:

User of the appplication - please following steps:

1. Open the application. Following screen will appear.



The screenshot shows a web browser window titled "C:/Coursera - Shiny" with the URL "http://127.0.0.1:7744". The page has a "Republish" button in the top right corner. The main heading is "Child Height Prediction". On the left, there is a form titled "Height of Parent (in cm)" with a text input field containing "20" and a "Submit" button. On the right, under the heading "Results of Prediction", there are two output boxes. The first box is labeled "Height of parent entered (cm.):" and contains the text "[1] 20". The second box is labeled "Predicted height of son (cm.):" and contains the text "[1] 36.86734".

2. Input parent's height in centimetre (either enter the height directly or by incrementing the current value of parent height by using the arrow).
3. Press the submit button. Screen similar to the following one should appear.

C:/Coursera - Shiny

http://127.0.0.1:7744 Open in Browser Republish

Child Height Prediction

Height of Parent (in cm)

Results of Prediction

Height of parent entered (cm.):

[1] 175

Predicted height of son (cm.):

[1] 137.0424