Background

- Creation of “fire-rated” doors means that a door can withstand 90 minutes of fires on one side(2000 degrees F), remain cool to touch on the other side, and able to retain strength and sturdiness after 90 minutes

Goal/Requirements

- Based on input of specific raw materials, created algorithm should indicate corresponding values pertaining to the properties of resulting product(i.e find correlation between input parameters in order to find the optimal strength parameters)
    - We need to look for “good” strength output
    - All other properties should be maximized with the exception of moisture content
- Create an application that allows the user to input data parameters and get back output of expected properties