Douglas fir tree burning experiment

Firebrand data analysis:

Raw data file includes the **mass, length and the diameter** of each firebrand collected from 2.6 m tree and 5.2 m tree burning experiments. These firebrands were categorized mass classes such as **0.005 g, 0.010 g, 0.015 g** etc. and count the **number of firebrands** in each mass class.

Number of firebrands collected according to the mass class (g)

Firebrand length vs mass class

Firebrand diameter vs mass class

Firebrand percentage vs mass class

According to these figures,

* Number of smaller firebrands (mass, diameter, length) produced by the 2.6 m tree is higher than the 5.6 m tree.
* The 2.6 smaller tree dis not produce larger firebrands compared to 5.6 m tree. The heaviest firebrand produced by the 2.6 m tree is 2 g while it is 3.6 g of 5.6 m tree.
* The mass of firebrands are increased with the increment of diameter and the length.