**1. Perform text mining on the file, AircraftIncident.xls, available in the Assignment section of D2L?**  
**Attach a screenshot of the result from your analysis**

Graphical user interface, text, application

Description automatically generated

**2. Share your findings from the analysis? Explain what findings are important and how it can be  
useful to determine the reason of flight accidents**

Graphical user interface, text, application, Word

Description automatically generated

The word cloud's font size adjusts according to the frequency of a term. Once we have these figures, we'll search for clusters to identify the causes of flight disasters. We used latent semantic analysis to create groupings. We shall look at the charts below to determine the semantics of things in order to determine the causes of aircraft accidents.

Graphical user interface, application

Description automatically generated

By examining the three outcomes in the lower-left corner, it is discovered that improper review of components, installation of unserviceable parts to a plane, incorrect installation of wheel are some of the reason for the flight accidents

Graphical user interface

Description automatically generated

By examining the outcomes on the other side, it was shown that the flight problems that led to the flight disasters were the pilot failed to use carburetor heat prior to landing, loss of control on landing

Graphical user interface, text, application

Description automatically generated