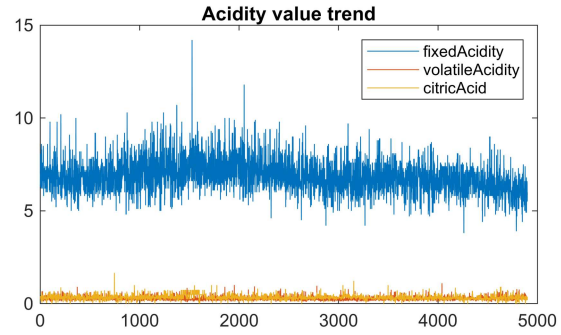
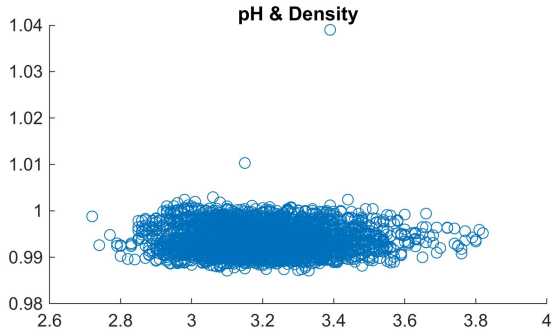
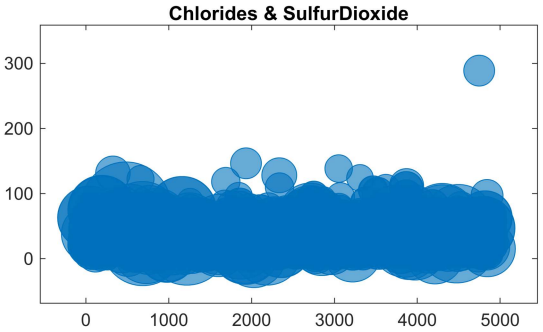
```
[fname, fpath] = uigetfile( ...
    {'*.csv'}, ...
    'Select file to open' ...
);
wine = readtable([fpath, fname]);
```

```
Warning: Column headers from the file were modified to make them valid MATLAB identifiers before creating
variable names for the table. The original column headers are saved in the VariableDescriptions property.
Set 'VariableNamingRule' to 'preserve' to use the original column headers as table variable names.
```

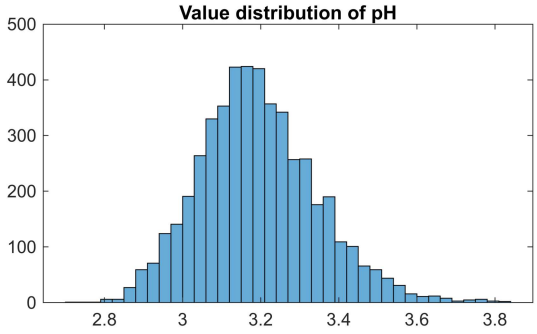
```
f1 = figure(Name="Plots 1");
f1.Position = [0 0 1920 1080];

subplot(2, 2, 1);
plot(wine{:,1:3});
title("Acidity value trend");
legend(wine.Properties.VariableNames(1:3));

subplot(2, 2, 2);
scatter(wine.pH,wine.density);
title("pH & Density");

subplot(2, 2, 3);
bubblechart(1:1:4898, wine.freeSulfurDioxide, wine.chlorides)
title("Chlorides & SulfurDioxide");
```

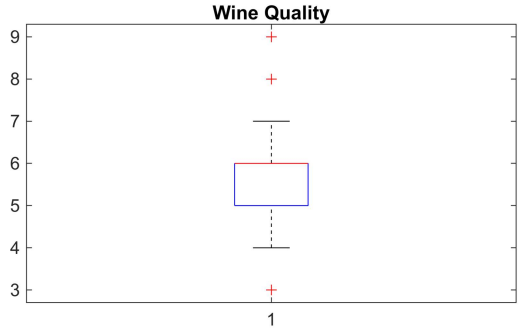


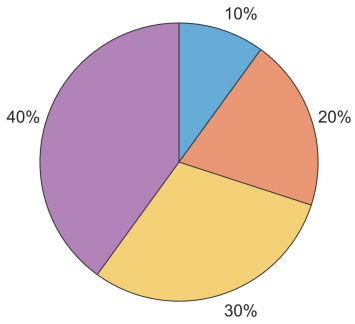




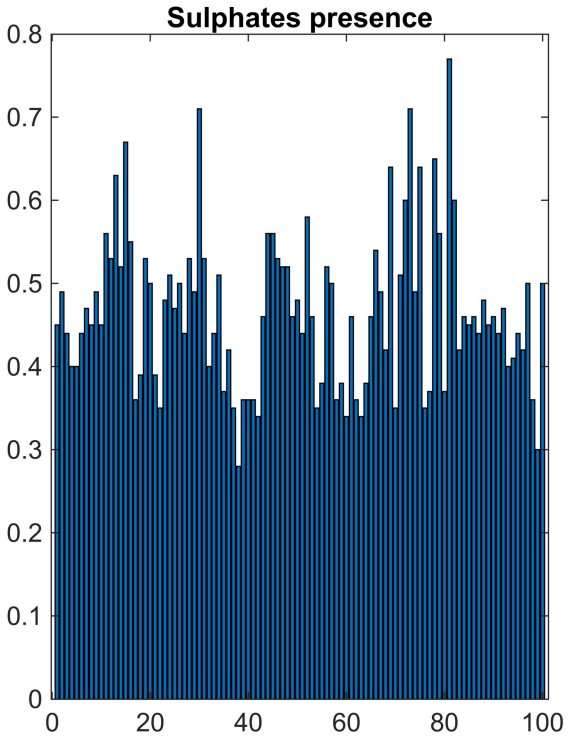
```
f2 = figure(Name="Plots 2");
f2.Position = [0 0 1920 1080];

subplot(2, 2, 1);
histogram(wine.pH);
title("Value distribution of pH");

subplot(2, 2, 2);
boxplot(wine.quality);
title("Wine Quality");

subplot(2, 2, 3)
data = [1 2 3 4];
piechart(data);
```

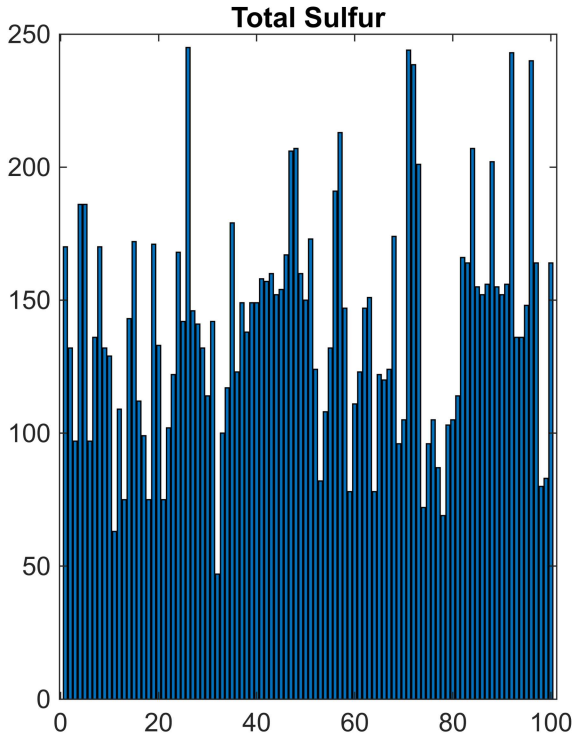







```
f3 = figure(Name="Plots 3");
f3.Position = [0 0 1920 1080];

subplot(1, 2, 1);
bar(wine.sulphates(1:100));
title("Sulphates presence");

subplot(1, 2, 2);
bar(wine.totalSulfurDioxide(1:100));
title("Total Sulfur");
```






```
[fname, fpath] = uigetfile( ...
    {'*.csv'}, ...
    'Select file to open' ...
);
IndiaStates = readtable([fpath, fname]);
```

```
Warning: Column headers from the file were modified to make them valid MATLAB identifiers before creating
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Set 'VariableNamingRule' to 'preserve' to use the original column headers as table variable names.
```
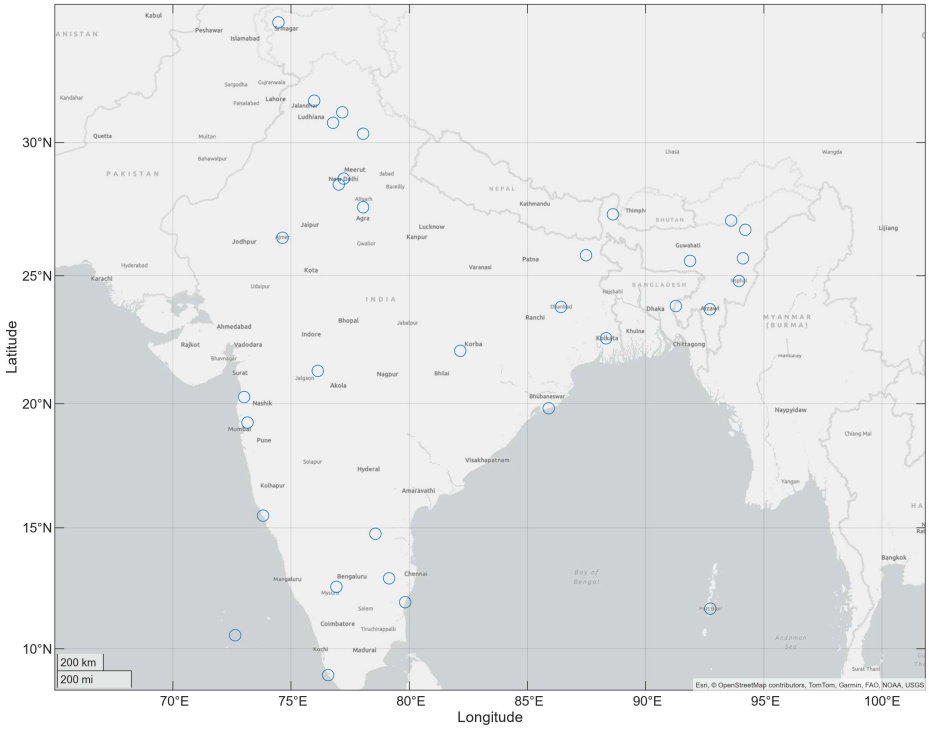
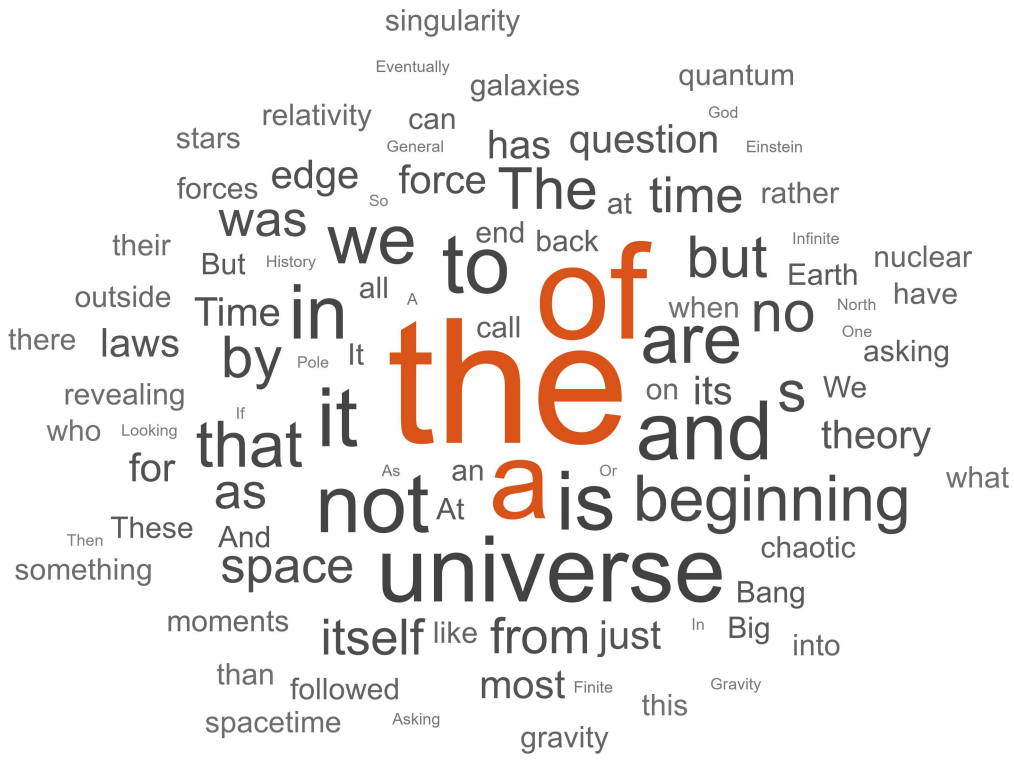

```
figure
geoscatter(IndiaStates.latitude, IndiaStates.longitude);
```




```
[fname, fpath] = uigetfile( ...
    {'*.txt'}, ...
    'Select file to open' ...
);

text_data = fileread([fpath, fname]);
punctuation_characters = ["." "?" "!" "," ";" ":", "—", '‘', '’', "’"];
text_data = replace(text_data, punctuation_characters, " ");
words = split(join(text_data));
C = categorical(words);
figure
wordcloud(C);
```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