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```
% Single line comment
```

```
% Mutiple line comment
```

```
%{  
We plot the time series of a synthetic data generated and  
the histogram to see the distribution of monthly temperatures  
for the month of January for the Disneyland  
%}
```

## Section 1

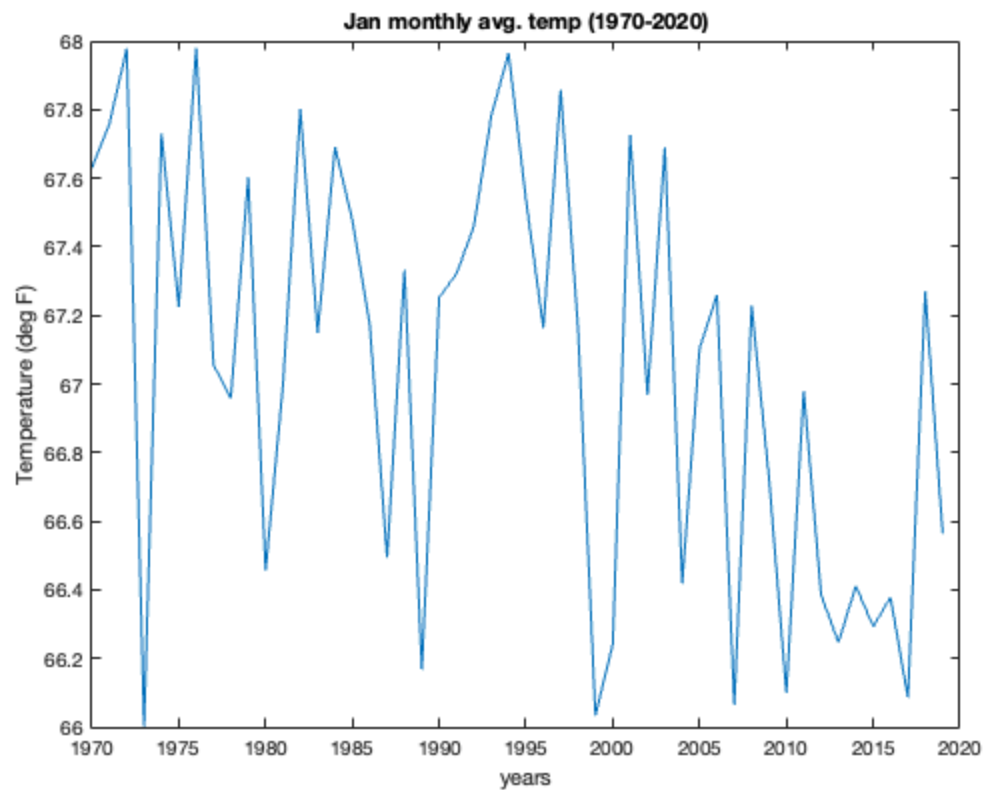
importing data (avg. monthly temperatures from 1970 to 2020 for all months)

```
yrs= 1970:2019;  
dat= 66+ 2 .*rand(50,12);
```

## Section 2

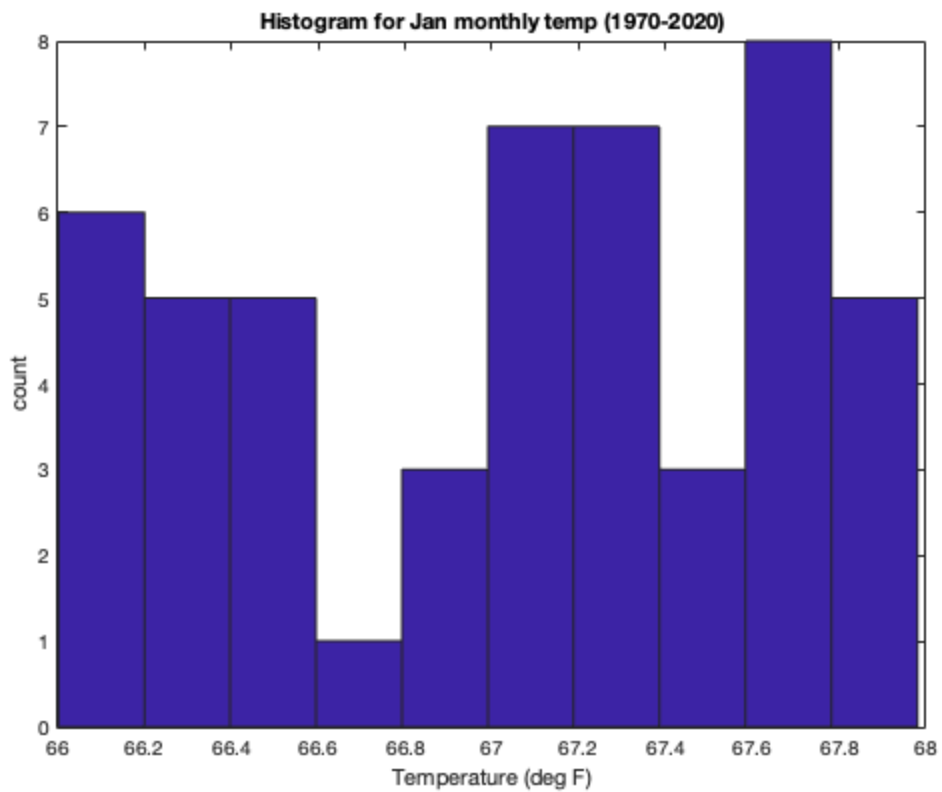
Plotting avg. monthly temperatures across years (1970- 2020)

```
figure(1);  
plot(yrs, dat(:,1));  
ylabel("Temperature (deg F)");  
xlabel("years")  
title("Jan monthly avg. temp (1970-2020)")
```



## Section 3

```
%{  
Plotting histogram for the month of January to view the distribution  
of temp.  
%}  
  
figure(2);  
hist(dat(:,1));  
ylabel("count")  
xlabel("Temperature (deg F)");  
title("Histogram for Jan monthly temp (1970-2020)");
```



```
%{  
Publish:  
https://www.mathworks.com/help/matlab/matlab\_prog/publishing-matlab-  
code.html  
  
Unusal blank spaces:  
https://www.mathworks.com/matlabcentral/answers/880303-how-can-i-  
remove-blank-spaces-in-generated-pdf-using-publish-command  
%}
```

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