a. To check if models have lower SSE than M0

5. Visualize the result we have found

Models used:

```
Model M0: Area = 0.00
```

```
Model M1: Area = 0.00 + 22.11 * FFMC + 17.8
* ISI + 17.80 * temp + -2.87 * RH + 6.73 *
```

```
Model M2: Area = 0.00 + 21.66 * DMC + 11.16 *
```

```
Model M3: Area = 0.00 + 24.77 * RH + 10.48 *
```

```
Model M4: Area = 0.00 + -26.87 * FFMC*ISI + 21.29 * FFMC*temp
MC*DC+ 27.30 * DMC*temp + -16.93 * DC*temp + 3.11 * temp*RH
```

4. Compare the SSE with M0, which is the null hypothesis model
   a. To check if models have lower SSE than M0
5. Visualize the result we have found

Models used:

- Model M0: Area = 17.93
- Model M1: Area = -36.92 + 0.62 * FFMC + 0.06 * DMC +
  RH + 0.67 * wind +-4.78 * rain
- Model M2: Area = 15.19 + 0.06 * DMC + -0.01 * DC
- Model M3: Area = 14.24 + 0.30 * RH + -0.05 * temp
- Model M4: Area = -1.28197212e-02 * FFMC*ISI + 7.090
  DMC * DC+ 3.54693718e-03 * DMC*temp + -7.2555619