

```
1 import statsmodels.formula.api as sm
2 import pandas as pd
3
4 data = pd.read_csv("data.csv")
5 data['regimen_condition'] = data['regimen_condition'].
    astype('str').astype("category")
6 data['group'] = data['group'].astype('str').astype("
    category")
7
8 m1 = sm.glm("pounds_lost ~ regimen_condition + motivation
    ", data=data)
```

**Listing 1: Michael's first model attempt, from the usage scenario (Section 3). Michael specifies pounds\_lost as his dependent variable, and regimen and motivation as his independent variables.**