The lowest mixed entropy that my program found was 0.4106, however i chose to essentially ignore the fields that held values other than 0 or 1 (shoe size and sleep time), so it is possible a better value can be found.

The single if else block formed fo the stub was:

```
if entry[67] <= 0:
        return 0
    else:
        return 0
```

Where attribute 67 in the data is “BrkDnkIsFruit”

When the training data is put through the classifier, the result has A classification accuracy(TP+TN)/all of 75%, consisting purely of true negatives because most people chose a different cookie.

One other thing i learned during this assignment is that outputting python code comes with a whole lot of “\t”’s, and a single decision stub accomplishes little to nothing in this dataset

In conclusion, more branches are needed to obtain valuable information from this data