Financial Aid Logic Plan

Brian Veitch

**Data:**

Variables Provided and User Input:

* New\_student: String
* current\_gpa: Float
* drug\_conviction: String
* num\_of\_credit\_hours: Int
* yearly\_income: Float
* eligible\_for\_aid: Boolean

**Processing:**

Calculations:

* eligible\_for\_aid is a giant AND statement
* must satisfy the following:
* [ new\_student == “y” OR currenet\_gpa >= 2.0 ] AND
* drug\_conviction == “n” AND
* num\_of\_credit\_hours >= 6 AND
* yearly\_income < 50,000 AND

**Output:**

Questions:

Are you a new or returning student? Enter n for New, r for Returning

::Ask GPA only if the student is new::

What is your GPA?

Have you been convicted of a drug felony? Enter y or n

How many credit hours are you enrolled for next semester?

What is your gross yearly income, founded to the nearest dollar? Don’t use commas.

If eligible\_for\_aid = True -> You are eligible to apply for financial aid.

Else -> You are not eligible to apply for financial aid.