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## 4.2 Review Questions

### 4.2.R1

1/1 point (graded)

Using the model on page 8 of the notes, what value of Balance will give a predicted Default rate of 50%? (within 3 units of accuracy)

Enter the value of Balance below:

✓ Answer: 1936.6

1936.6

#### Explanation

We know that  $\text{logit}(.5) = \beta_0 + \beta_1 * \text{Balance}$ . Thus,  $\text{Balance} = (\text{logit}(.5) - \beta_0) / \beta_1 = (\log(.5/(1-.5)) + 10.6513) / .0055 = 1936.6$

Submit

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**i** Answers are displayed within the problem