**Final Report Title**

**Name, CID**

**Introduction**

First sentence starts here.

What is your main research question and why is it important/interesting to a certain company/industry/society?

**Research Hypothesis (or Research Hypotheses)**

First sentence starts here.

For example, Hypothesis 1: X1 is positively/negatively associated with Y.

What are the rationales behind the positive/negative association? Why do you anticipate a positive/negative association between X1 and Y? (X1is the variable of your interest. Your X1 can be different from other teammates’ X1 in your group. You may have more than one hypothesis.)

**Model**

First sentence starts here.

Y = $β\_{0}$ + $β\_{1}$X1 + $β\_{2}$ X2 + $β\_{3}$ X3 + $β\_{4}$X4 + $β\_{5}$ X5 + $β\_{6}$ X6 + $ε$

What are the other independent/control variables (X2-X6 are either your teammates’ X1’s or control variables) in your regression model? Do you expect a positive/negative association for each of the variables? Why do you anticipate the positive/negative association between the independent variable and dependent variable for each of the independent variables? (Sometimes the direction of the association is not clear because there exist both positive and negative effects. In that case, describe why the association may be positive or negative.)

**Conclusion**

First sentence starts here.

Assuming we can obtain the necessary data and the expected regression analysis result about your X1, what kind of business decision(s) would you make? Who can benefit from your research? (= Why is this decision important/interesting to a certain company/industry/society?)

**Appendices**

**Appendix 1: Tables**

**Table 1** A Summary of Variables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | Variable Name | Variable Type | Definition/Description | Expected Sign | Possible Data Source |
| Y | Prepayment rate | DV | Monthly prepayment of mortgage loans in one pool of mortgage-backed security issued in 2010 |  | Ginnie Mae |
| X1 | Prepayment penalty  | IV | 1 = if there is a prepayment penalty0 = if there is no prepayment penalty | $$-$$ | Ginnie Mae |
| X2 | Spread | IV | Mortgage rate$-$Average mortgage market rate | + | <http://www.mortgagenewsdaily.com/mortgage_rates/daily.aspx>  |
| X3 | Maturity | IV | Monthly age of mortgage loans | $$-$$ | Ginnie Mae |
| X4 | Credit rating | IV | Average credit rate | $$-$$ | Ginnie Mae |
| Z1 | Unemployment | CV | Unemployment rate | $-$/+ | Bureau of Labor Statisticshttps://data.bls.gov/pdq/SurveyOutputServlet?request\_action=wh&graph\_name=LN\_cpsbref3 |
| Z2 | Changes in house prices | CV | Percentage change of Housing Price index | + | Federal Housing Finance Agencyhttps://www.fhfa.gov/DataTools/Downloads/pages/house-price-index.aspx  |

**Appendix 2: Figures (Optional)**

**Figure 1** Figure 1 Title

**Appendix 3: References (Optional)**

APA format