Table 1. Number of Admits and Deposits by Period Each Year

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2020 | | 2021 | | 2022 | |
| Period | N | Deposit | N | Deposit | N | Deposit |
| 1 - February | 15866 | 308 | 17785 | 226 | 18019 | 263 |
| 2 - March 1 to March 15 | 16457 | 247 | 18330 | 173 | 18736 | 241 |
| 3 - March 16 to March 31 | 16673 | 378 | 19257 | 381 | 19304 | 385 |
| 4 - April 1 to April 7 | 16385 | 303 | 19110 | 357 | 19465 | 316 |
| 5 - April 8 to April 14 | 16112 | 384 | 18891 | 434 | 19289 | 454 |
| 6 - April 15 to April 21 | 15779 | 416 | 18459 | 550 | 18839 | 461 |
| 7 - April 22 to April 28 | 15739 | 620 | 17983 | 757 | 18412 | 962 |
| 8 - April 29 to May 1 | 15129 | 481 | 17226 | 576 | 17467 | 685 |

Table 2. Definitions of the Variables

|  |  |  |  |
| --- | --- | --- | --- |
| Variable Group | Variable Name | Description | Time-Varying Value |
| Dependent Variable | Deposited | 1 if deposited, 0 otherwise |  |
| Economic factors | Inst FinAid | Institutional grants offered | Yes |
|  | Loan | Loan borrowed | Yes |
|  | Pell | 1 if Pell eligible, 0 otherwise | No |
|  | SFS Time | Time spent on student finance service websites | No |
| Sociological factors | African American | 1 if African American, 0 otherwise | No |
|  | Asian | 1 if Asian American, 0 otherwise | No |
|  | Latino | 1 if Latino/Hispanic/Chicano, 0 otherwise | No |
|  | White | 1 if Caucasian, 0 otherwise | No |
|  | Multi-Ethic | 1 if multi-ethnicity, 0 otherwise | No |
|  | Male | 1 if male, 0 if female | No |
|  | EFC | Expected family contribution | No |
|  | HS GPA | High school GPA | No |
| Psychological factors | Admitted | 1 if admitted in the period, 0 otherwise | Yes |
|  | Honor | 1 if admitted in the honors' program, 0 otherwise | No |
|  | Different Major | 1 if admitted major is different than applied major, 0 otherwise | No |
|  | Recruitment Event | 1 if attending recruitment events, 0 otherwise | No |
|  | Review Decision | 1 if reviewing admission decision online two days after receiving it, 0 otherwise | No |
|  | Major Finder | Time spent on major finder websites | No |

Table 3. Descriptive Statistics of Time-Independent Variables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable Name | N | Mean/Pct | S.D. | Max | Min |
| Deposited | 10358 | 17.7% |  |  |  |
| Pell | 7077 | 12.1% |  |  |  |
| SFS Time |  | 290.31 | 740.08 | 29531 | 0 |
| African American | 2732 | 4.7% |  |  |  |
| Asian | 3656 | 6.3% |  |  |  |
| Latino | 5170 | 8.8% |  |  |  |
| White | 42677 | 73.0% |  |  |  |
| Multi-Ethic | 1839 | 3.1% |  |  |  |
| Male | 20972 | 35.9% |  |  |  |
| EFC |  | 1.19 | 1.67 | 32.49 | 0.00 |
| HS GPA |  | 3.71 | 0.70 | 4.25 | 0.00 |
| Honor | 7324 | 12.5% |  |  |  |
| Different Major | 3163 | 5.4% |  |  |  |
| Recruitment Event | 11809 | 20.2% |  |  |  |
| Review Decision | 24059 | 41.2% |  |  |  |
| Major Finder |  | 14.27 | 135.91 | 9945 | 0 |

Table 4. Descriptive Statistics of Time-Varying Variables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable Name | Period | Mean | S.D. | Max | Min |
| Institutional Grant | 1 | 0.190 | 0.125 | 0.838 | 0 |
|  | 2 | 0.201 | 0.129 | 0.958 | 0 |
|  | 3 | 0.203 | 0.132 | 0.998 | 0 |
|  | 4 | 0.201 | 0.134 | 1.087 | 0 |
|  | 5 | 0.202 | 0.134 | 1.087 | 0 |
|  | 6 | 0.205 | 0.133 | 1.087 | 0 |
|  | 7 | 0.204 | 0.134 | 1.087 | 0 |
|  | 8 | 0.205 | 0.133 | 1.087 | 0 |
| Loan | 1 | 0.071 | 0.049 | 0.357 | 0 |
|  | 2 | 0.079 | 0.053 | 0.211 | 0 |
|  | 3 | 0.082 | 0.052 | 0.211 | 0 |
|  | 4 | 0.082 | 0.052 | 0.211 | 0 |
|  | 5 | 0.082 | 0.051 | 0.211 | 0 |
|  | 6 | 0.083 | 0.050 | 0.211 | 0 |
|  | 7 | 0.082 | 0.050 | 0.211 | 0 |
|  | 8 | 0.082 | 0.050 | 0.211 | 0 |

Table 5. Parameter Estimates for Fall 2020, 2.5% percentile, mean and 97.5% percentile

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | Period 1 | Period 2 | Period 3 | Period 4 | Period 5 | Period 6 | Period 7 | Period 8 |
| Baseline | (-7.65, -7.47, -7.28) | (-8.64, -8.46, -8.29) | (-7.73, -7.55, -7.37) | (-7.59, -7.42, -7.26) | (-7.13, -6.97, -6.79) | (-7.42, -7.27, -7.09) | (-6.51, -6.33, -6.17) | (-6.1, -5.93, -5.74) |
| Admitted | (-0.47, -0.08, 0.3) | (0.2, 0.65, 1.06) | (0.15, 0.63, 1.04) | (0.28, 0.83, 1.42) | (0.12, 0.68, 1.22) | (0.38, 0.92, 1.49) | (1.08, 1.43, 1.76) | (0.2, 0.74, 1.32) |
| Home Distance | (-0.3, -0.08, 0.09) | (-0.64, -0.33, -0.04) | (-0.24, -0.06, 0.09) | (-0.13, 0.02, 0.15) | (-0.39, -0.18, -0.0) | (-0.2, -0.03, 0.11) | (-0.21, -0.08, 0.04) | (-0.25, -0.1, 0.03) |
| Honor Program | (-0.33, -0.04, 0.23) | (-0.45, -0.12, 0.22) | (-0.13, 0.13, 0.39) | (0.09, 0.36, 0.61) | (-0.21, 0.06, 0.36) | (-0.25, 0.0, 0.25) | (-0.0, 0.23, 0.46) | (-0.1, 0.17, 0.41) |
| Change Major | (0.66, 0.97, 1.24) | (0.57, 0.95, 1.31) | (0.76, 1.09, 1.4) | (0.7, 1.04, 1.37) | (0.74, 1.06, 1.36) | (0.87, 1.18, 1.48) | (0.8, 1.05, 1.31) | (0.77, 1.11, 1.42) |
| Gender | (-0.59, -0.34, -0.09) | (-0.36, -0.08, 0.2) | (-0.58, -0.33, -0.11) | (-0.49, -0.23, 0.0) | (-0.27, -0.06, 0.15) | (0.04, 0.21, 0.4) | (-0.12, 0.05, 0.23) | (0.24, 0.44, 0.61) |
| Institutional Grant | (-0.98, -0.44, 0.1) | (-1.04, -0.43, 0.13) | (-0.81, -0.29, 0.26) | (-0.58, -0.03, 0.5) | (-0.83, -0.26, 0.28) | (-0.52, 0.01, 0.56) | (-0.55, -0.07, 0.45) | (-0.74, -0.22, 0.3) |
| Loan | (0.27, 1.27, 2.22) | (0.25, 1.28, 2.27) | (0.11, 1.18, 2.19) | (0.34, 1.33, 2.32) | (0.26, 1.32, 2.31) | (0.27, 1.3, 2.28) | (0.25, 1.3, 2.23) | (0.39, 1.39, 2.41) |
| EFC | (-0.2, -0.1, -0.01) | (-0.14, -0.04, 0.05) | (-0.05, 0.02, 0.08) | (-0.14, -0.05, 0.03) | (-0.2, -0.1, -0.01) | (-0.12, -0.04, 0.03) | (-0.16, -0.08, -0.01) | (-0.14, -0.06, 0.0) |
| Pell | (-0.26, 0.09, 0.42) | (-0.25, 0.15, 0.52) | (-0.09, 0.24, 0.54) | (-0.22, 0.11, 0.42) | (-0.18, 0.14, 0.45) | (-0.14, 0.16, 0.44) | (-0.11, 0.16, 0.42) | (0.3, 0.56, 0.81) |
| Asian | (-0.61, -0.1, 0.36) | (-0.62, -0.09, 0.42) | (-0.66, -0.18, 0.26) | (-0.41, 0.07, 0.54) | (-0.61, -0.15, 0.29) | (-0.51, -0.06, 0.36) | (-0.58, -0.21, 0.15) | (-0.5, -0.05, 0.38) |
| African American | (-0.52, 0.01, 0.49) | (-0.63, -0.02, 0.49) | (-0.57, -0.1, 0.33) | (-0.24, 0.2, 0.68) | (-0.42, 0.08, 0.54) | (-0.2, 0.24, 0.71) | (-0.42, 0.0, 0.41) | (-0.11, 0.33, 0.73) |
| Hispanic | (-0.08, 0.31, 0.69) | (0.08, 0.46, 0.89) | (-0.11, 0.23, 0.57) | (0.03, 0.42, 0.81) | (-0.28, 0.15, 0.53) | (0.0, 0.36, 0.71) | (-0.19, 0.14, 0.49) | (0.03, 0.37, 0.71) |
| White | (0.02, 0.33, 0.63) | (0.22, 0.53, 0.87) | (-0.14, 0.11, 0.38) | (0.13, 0.4, 0.67) | (0.24, 0.49, 0.74) | (0.16, 0.4, 0.64) | (-0.18, 0.04, 0.27) | (0.1, 0.34, 0.58) |
| Multi-Ethnic | (-0.48, 0.04, 0.54) | (-0.57, -0.0, 0.49) | (-0.35, 0.09, 0.56) | (-0.18, 0.34, 0.81) | (-0.52, -0.03, 0.42) | (-0.3, 0.15, 0.57) | (-0.13, 0.24, 0.61) | (0.04, 0.49, 0.92) |
| Postcard | (-1.69, -1.41, -1.15) | (-1.03, -0.65, -0.29) | (-1.02, -0.63, -0.28) | (-1.44, -0.85, -0.22) | (-1.42, -0.9, -0.36) | (-1.14, -0.67, -0.24) | (-1.45, -0.92, -0.4) | (-1.44, -0.84, -0.25) |
| Early Event | (0.82, 1.06, 1.29) | (0.64, 0.91, 1.16) | (0.46, 0.66, 0.86) | (0.58, 0.8, 1.02) | (0.35, 0.55, 0.75) | (0.68, 0.86, 1.07) | (0.31, 0.5, 0.69) | (0.05, 0.26, 0.45) |
| Campus Tour | (1.66, 1.98, 2.33) | (1.27, 1.66, 2.03) | (1.44, 1.7, 1.96) | (1.6, 1.83, 2.08) | (1.44, 1.67, 1.89) | (1.52, 1.75, 1.97) | (1.55, 1.75, 1.95) | (1.44, 1.66, 1.86) |
| Decision Day Event | (1.68, 1.92, 2.16) | (1.62, 1.89, 2.16) | (1.32, 1.57, 1.81) | (1.12, 1.39, 1.65) | (1.15, 1.42, 1.68) | (1.44, 1.66, 1.88) | (1.11, 1.35, 1.59) | (1.01, 1.31, 1.59) |
| Delay Review | (-0.6, -0.35, -0.1) | (-0.54, -0.26, 0.01) | (-0.51, -0.28, -0.07) | (-0.31, -0.08, 0.17) | (-0.36, -0.14, 0.07) | (-0.32, -0.1, 0.09) | (-0.14, 0.04, 0.22) | (-0.09, 0.08, 0.26) |

Box and whisker chart

Description automatically generated with low confidence

Figure 1. Boxplots of the distributions of the parameter estimates of baseline force, Financial Aid, Gender and Honors Program among the three years