



















## Necessary Environmental Conditions (continued)

- Statistical Acumen
  - Economist, Mathematician, Computer or Social Scientist who is familiar with research methods regarding model specification
  - "Normal enough" to interact with practical and academic realities
- Practitioner Oversight
  - The model needs to pass the sniff test for what is practically useful
  - Consideration for recruitment process and timelines

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Avoidance of pitfalls that create over-specification













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| Decile Cutoff Points |                    |                    |  |  |  |
|----------------------|--------------------|--------------------|--|--|--|
| Ranking              | Probability Cutoff | Number of Students |  |  |  |
| 1                    | 0.115              | 5530               |  |  |  |
| 2                    | 0.075              | 5529               |  |  |  |
| 3                    | 0.051              | 5529               |  |  |  |
| 4                    | 0.035              | 5537               |  |  |  |
| 5                    | 0.025              | 5522               |  |  |  |
| 6                    | 0.015              | 5536               |  |  |  |
| 7                    | 0.010              | 5522               |  |  |  |
| 8                    | 0.008              | 5529               |  |  |  |
| 9                    | 0.006              | 5529               |  |  |  |
| 10                   | 0.001              | 5530               |  |  |  |
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| Model<br>Ranking | Prospective<br>Students | Number of<br>Applications | % of Students<br>Applying | % of All Apps |
|------------------|-------------------------|---------------------------|---------------------------|---------------|
| 1                | 1685                    | 724                       | 43%                       | 57%           |
| 2                | 1794                    | 145                       | 8%                        | 11%           |
| 3                | 1972                    | 120                       | 6%                        | 9%            |
| 4                | 4145                    | 103                       | 3%                        | 8%            |
| 5                | 1540                    | 57                        | 4%                        | 4%            |
| 6                | 759                     | 39                        | 5%                        | 3%            |
| 7                | 603                     | 15                        | 3%                        | 1%            |
| 8                | 558                     | 6                         | 1%                        | < 1%          |
| 9                | 1216                    | 8                         | < 1%                      | < 1%          |
| 10               | 1625                    | 11                        | < 1%                      | 1%            |





## How Were These Results Useful?

- Recruitment
  - Phone call targeting
  - Mailing focus
  - Event invitations
  - Application promotion late in cycle
  - Codifies continuity of logic even when staff transition
- Financial aid
  - Will be used to interpret financial aid opportunities





