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Crowdsourcing and Human Computation

Module 6 – Assignment

**Introduction:** The topic I chose was to use crowdsourcing to see if the survey takers knew some of the key elements of hedge funds by asking some obvious legal questions about setting up a hedge fund. This topic is interesting and important to see if the general public have misconceptions about how hedge funds work, and how to participate in funds.

**Background:** The two design principles were to look at the duration of time to complete the task compared to surveyors that 1.) had a degree in finance or did not have a degree in finance, and 2.) those that were paid $.25 or those that were paid $.50 to complete the task.

The second design was to ask if they would charge a management fee or performance fee for their fund (very rarely do funds not charge management or performance fees.

**Method:** The control was no degree and paid $.25. The experiments included no degree $.50, degree $.25, and degree $.50.

In the first design we got p-value results of:

|  |  |  |
| --- | --- | --- |
| No Degree 50 | Degree 25 | Degree 50 |
| 0.039271426 | 0.008863434 | 0.021140741 |

In the second design:

|  |  |  |
| --- | --- | --- |
| No Degree 50 | Degree 25 | Degree 50 |
| 0.055407 | 0.000409 | 1.40E-08 |

**Conclusions:** In the first design we can only conclude that the higher payment varies the mean more than a disclaimer for having a degree or not having a degree. This means that higher payment leads to slightly longer duration on the survey. This could be because for less payment people are trying to get the survey as fast as possible or they could be bots.

The second design was inconclusive as the p-value for the higher paying vary significantly from the control. One of the limitations from this design could be because it was a yes/no question with yes always listed at the top. Yes was selected more often and possibly running a by changing the language or order of answers would have different results.

One awesome thing that was noticed was the coordinates of the participants. The survey was sent out at 11pm PST and the responses came from coordinates that would have all surveys started and completed between 6am-9am depending on time zone and how long the surveys took to complete.

|  |  |
| --- | --- |
| Lattitude min | 11.1424 |
| Lattitude max | 60.1719 |
| Longitude min | -1.7241 |
| Longitude max | 9.491 |

**A map of the middle east

Description automatically generated**