**Porter, Verdery and Gaddis. 2016. Study 1 Detailed Reporting**

**Purpose of Study:** Verify machine coding of academic department and field affiliations

**HIT Type Descriptions:**

URL

Workers were provided with a person’s name, University affiliation, and a pre-populated search of the university’s webpage for the name. They were asked to verify the affiliation by finding and submitting the URL of a relevant webpage, as well as providing the type of webpage (e.g. faculty homepage, departmental faculty list, news release, etc.). If the person could not be found, they were asked to indicate this.

Department

For each person with a URL located in the URL HIT, workers were given the person’s name and URL, as well as a list of up to ten of the most common departments within their machine coded field. They were asked to verify that the URL is associated with the correct person (to check success of previous HIT) and to indicate their best guess using only that webpage as to whether the person was associated with any listed discipline.

Field

For each person with a URL located in the URL HIT, workers were given the name and URL, along with the name of their machine coded field. Workers were asked to verify the URL was correct and to code whether they thought the person was associated with any department that belongs within the field, with possible options “I think so,” “I think not” and “I’m not sure at all.”

**Worker Qualifications:**

Only workers with at least 5,000 HITs previously approved at greater than 97% approval rate were allowed to accept the HITs.

**Rejection Criteria:**

A 5% sample of responses were manually checked, with unsure or not found responses checked at a higher rate.

**Additional Validation Checks:**

Workers on subsequent HITs reported incorrect URLs had been submitted in no more than 35 cases (2.0%).

**Overall Results:**

Table A2 summarizes the various combinations of findings. A URL was submitted for 84.5% of cases. Depending on strictness of assumptions, between 72.4% and 95.8% of cases with valid URLs were verified as correctly classified by the machine algorithm.

**Table A1: Selected HIT Descriptive Characteristics**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | 2015/10/09 | | | 2015/10/18 | | | 2015/10/21 | | |
| Batch ID | 2117766 | 2118043 | 2118056 | 2127698 | 2127763 | 2127766 | 2131435 | 2131603 | 2131678 |
| Type of HIT | URL | Dept. | Field | URL | Dept. | Field | URL | Dept. | Field |
| Unique HITs | 100 | 84 | 84 | 500 | 419 | 419 | 1400 | 1187 | 1187 |
| Workers per HIT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Rejections | 0 | 0 | 0 | 1 | 0 | 5 | 3 | 2 | 2 |
| Reward | 0.15 | 0.06 | 0.06 | 0.14 | 0.06 | 0.06 | 0.13 | 0.06 | 0.07 |
| Adjusted Hourly Reward | 7.60 | 6.63 | 5.72 | 11.67 | 6.68 | 5.99 | 10.33 | 6.61 | 9.20 |
| Instrument(s) | Online [Here](https://github.com/ndporter/asamturk/tree/master/Study%201%20-%20Faculty/20151009/upload) | | | Online [Here](https://github.com/ndporter/asamturk/tree/master/Study%201%20-%20Faculty/20151018/upload) | | | Online [Here](https://github.com/ndporter/asamturk/tree/master/Study%201%20-%20Faculty/20151021/upload) | | |
| Results\* | Output Variable | | | Frequency/Total | | | Percent of total | | |
| URL found | | | 1727/2043 | | | 84.5% | | |
| *URL source type*  Faculty Homepage  Faculty List  Resume/CV  News/Press Release  Other (specify)  Not answered | | | (overall n=1727)  1178  198  131  133  82  5 | | | 68.2%  11.5%  7.6%  7.7%  4.7%  0.3% | | |
| Department Match  Yes  No  Bad URL | | | (overall n=1727)  1390  301  34 | | | 80.5%  17.4%  2.0% | | |
| Field Match  Yes  No  Unsure  Bad URL | | | (overall n=1727)  1395  227  68  35 | | | 80.8%  13.7%  3.9%  2.0% | | |

\* Reported results are weighted by sample frequency in sample (overall N=2000)

+ Cells report minimum number of approved HITs and minimum HIT approval rate

**Table A2: Contingency Table for URL, Field, and Department Matching**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| URL Found | | Field Match | | Department Match | |
| No | 15.5% |  | NA |  | NA |
| Yes | 84.5% | Unclear | 3.9% | Bad URL | 5.9% |
| No | 27.9% |
| Yes | 66.2% |
| Bad URL | 2.0% | Bad URL | 34.3% |
| No | 22.9% |
| Yes | 42.9% |
| No | 13.1% | Bad URL | 2.2% |
| No | 44.5% |
| Yes | 53.3% |
| Yes | 80.8% | Bad URL | 0.9% |
| No | 12.4% |
| Yes | 86.7% |