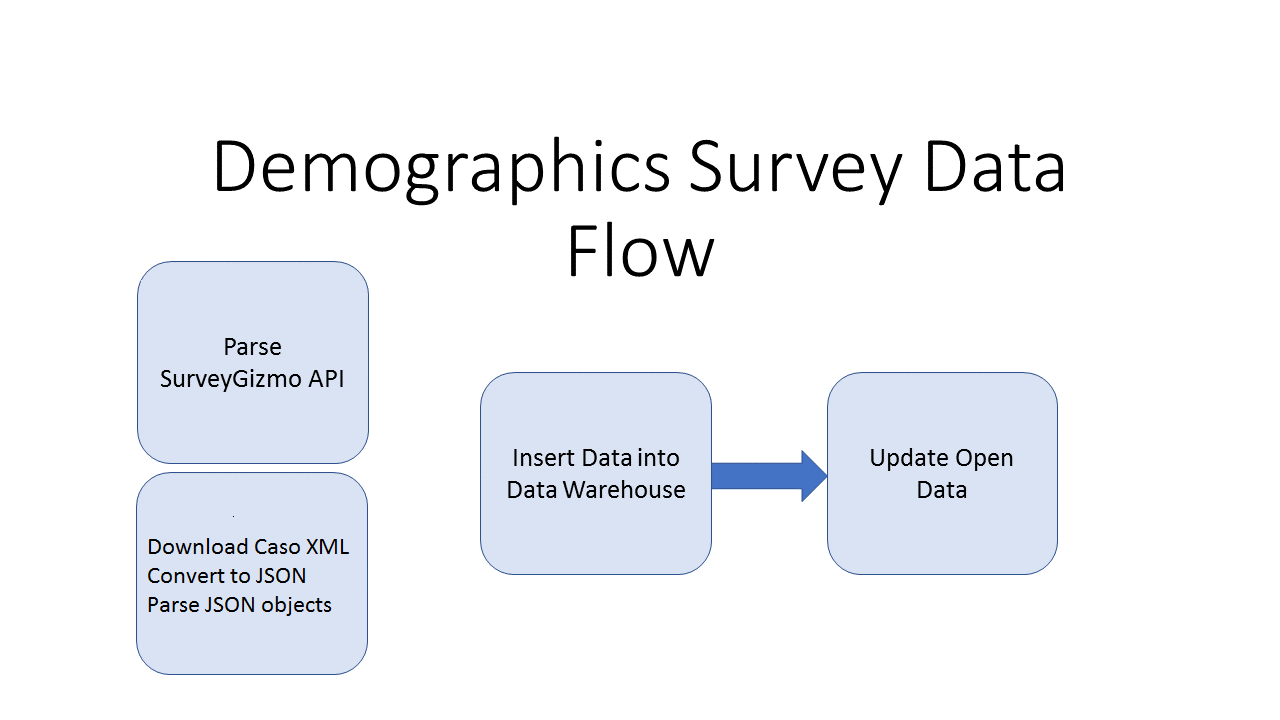
**Demographics Surveys**

Legislation was passed in the City calling for expanded collection of demographic information from people voluntarily applying for certain services from the City. The Mayor’s Office of Operations requested help from DoITT to provide a technical mechanism for collecting this data via surveys.

The surveys will be both electronic, via SurveyGizmo, and paper-based using Caso. The formats of the On-line and paper interfaces are different. The on-line vendor, SurveyGizmo, supplies an API which returns JSON objects. The paper survey vendor scans the survey and creates XML files which it places in an SFTP site along with TIFF scans. The methods for parsing the 2 data sources differ and the fields parsed do not overlap exactly, but the results are stored in the same output table.

The details of the data acquisition portion of the project are provided in this wiki. This document describes the technical design and implementation details of the “Data Acquisition” which is accomplished with a Python script. It also covers the “Data Loading” portion of the Data Integration project that uses Informatica Integration tools to move data from the Oracle data warehouse to Open Data.



## Application Design

#### Server Components

* **Linux TST Server:**

*Host Name:* msslva-ctwcpr-infor1

* **Linux STG Server:**

*Host Name:* msslva-ctwcpr-infor1

* **Linux PROD Server:**

*Host Name:* msplva-ctwcpr-infor1

### Software Components

* **Python 2.**7

Required packages:

* calendar
* cx\_Oracle
* datetime
* json
* logging
* os
* paramiko
* re
* rsa
* sys
* time
* xmltodict
* **cron**
* **Oracle 11g**
* **Linux**

### Configuration File

The configuration file (config.json) resides in the source folder (/DemographicsSurvey/). It holds a json object that contains all the configurable parameters.

Configuration Field Definitions:

DB

User Oracle service account

Password Oracle password

Database Oracle database name, must match entry in TNSNAMES.ora

SurveyGizmo

api\_token A credential used to access the SurveyGizmo API

api\_token\_secret Used to confirm that response is from SurveyGizmo. Survey\_Number Specifies which SurveyGizmo survey should be processed. See section “Check Survey Number”

Linux

Proxy The proxy string and port

LinuxUser Username for the Linux server account

LinuxPassword Linux server password, this is encrypted.

Logging

File\_name The name of the log file

Path The directory to which log are written.

Level Defines the degree of logging:

DEBUG – details of the survey response written to the log

INFO – adds progress of execution, start and end times and counts

ERROR – causes only errors to be logged.

SFTP

Host The name of the remote server (Caso)

UserName Username assigned by Caso

Password Remote FTP password

Ftp\_Dir The directory holding the survey files

File\_Extention The survey file extention (usually xml)

Image\_Extention The scanned survey image extention(usually tif)

Archive\_Dir Location of xml archives

FileDownLoad\_Path Working directory that xmls saved in from SFTP site

ImageDownLoad\_Path Directory images downloaded into and archive in

Survey\_date The date to begin reading surveys. Used to skip old surveys.

LoadFileWithoutImages Load XML without looking for image files. Used to fix problems

Survey

Survey\_number The name of the remote server (Caso)

Max\_survey\_index The largest survey index that the parser should look for. SurveyGizmo tags each set of question/answers with an id that ranges from a small number e.g 10 to an apparently arbitrary larger number (see highlight in the survey snippet below).

"result\_ok": true,

"total\_count": "27",

"page": 1,

"total\_pages": 1,

"results\_per\_page": 50,

"data": [{

"id": "35",

"contact\_id": "",

"status": "Complete",

Start\_index SurveyGizmo tags each set of optional answers with an arbitrary number greater than 10,000. The parser must search for these option keys in the range of 10000 to start\_index.

"options": {

"10094": {

"id": 10094,

"option": "Greek",

"answer": "Greek"

},

"10106": {

"id": 10106,

"option": "Polish",

"answer": "Polish"

},

Api\_token A credential supplied by SurveyGizmo to secure their site.

Api\_token\_secret Supplied by SurveyGizmo to secure their site.

### Sample Config file:

## {

## "db": {

## "user": "anaprd",

## "passwd": "###",

## "database": "anadev"

## },

## "linux":{

## "linuxUser":"informatica",

## "linuxPasswd": "###”

## },

## "surveygizmo": {

## "api\_token": "###",

## "api\_token\_secret": "###",

## "last\_run\_date" :"2018-07-04+14:06:04",

## "results\_per\_page":"500",

## "survey\_number":"50003666",

## "max\_surv\_index": 402,

## "start\_index": 10000

## },

## "sftp": {

## "host": "securetransport.csc.nycnet",

## "user\_name": "sftpah",

## "password": "NewTemp10!",

## "ftp\_dir": "sftpah\_air",

## "file\_extension": "xml",

## "image\_extension": "tif",

## "archive\_dir": "/informatica/SURVEY/Paper/Archive/",

## "fileDownload\_path" : "/informatica/SURVEY/Paper/Data/",

## "imageDownload\_path" : "/informatica/SURVEY/Paper/Images/",

## "survey\_date": "27 Oct 2018",

## "load\_without\_images": "No"

## },

## "logging": {

## "file\_name": "example.log",

## "path": "log",

## "level": "DEBUG"

## }

## }

## Database Design

### Development Database Details:

|  |  |  |
| --- | --- | --- |
|  | **Property** | **Value** |
|  | Host | msxuvd-ctwcpr-ana01.cscx.nycnet |
|  | Port | 2015 |
|  | User | ANAPRD |
|  | Connection String | jdbc:oracle:thin:@msxuvd-ctwcpr-ana01.cscx.nycnet:2015:anadev |

### Test Database Details:

|  |  |  |
| --- | --- | --- |
|  | **Property** | **Value** |
|  | Host | msxuvd-ctwcpr-ana01.cscx.nycnet |
|  | Port | 2025 |
|  | User | ANAPRD |
|  | Connection String | jdbc:oracle:thin:@msxuvd-ctwcpr-ana01.cscx.nycnet:2025:anatst |

### Staging Database Details:

|  |  |  |
| --- | --- | --- |
|  | **Property** | **Value** |
|  | Host | mssuvd-ctwcpr.cscx.nycnet |
|  | Port | 1755 |
|  | User | ANAPRD |
|  | Connection String | jdbc:oracle:thin:@msxuvd-ctwcpr-ana01.cscx.nycnet:1755:anastg |

### Production Database Details:

|  |  |  |
| --- | --- | --- |
|  | **Property** | **Value** |
|  | Host | mspuvd-ctwcprshrd1.cscx.nycnet |
|  | Port | 1755 |
|  | User | ANAPRD |
|  | Connection String | mspuvd-ctwcprshrd1.cscx.nycnet:1755:anaprd |

## Data Dictionary

### ANAPRD.DEMOGRAPHIC\_SURVEY\_PAPER\_D

SURVEY\_NUMBER INTEGER SurveyGizmo supplied survey number, set in config.json

SURVEY\_INSTANCE\_ID INTEGER, Created by SurveyGizmo to clump responses to a specific instance of a survey

SURVEY\_LANGUAGE VARCHAR2(15) The language in which the survey taker viewed the survey.

DATE\_SUBMITTED DATE SurveyGizmo supplied date the survey data was entered.

FISCAL\_YEAR INTEGER The NYC fiscal year in which the survey was answered.

QUESTION VARCHAR2(200) The question text that appears on a survey (translated to English).

ANSWER VARCHAR2(500) Either the selection in the survey clicked by the user or optional text entered by the user.

ANSWER\_IS\_OPTIONAL VARCHAR2(1) Set to ‘N’ by SurveyGizmo for answers with a defined set of responses. It is set to ‘Y’ if the user has chosen to type a response in the optional text box.

DATA\_SOURCE VARCHAR2(15) For SurveyGizmo surveys this is set to ‘Online’. Future paper surveys may user ‘Paper’.

CREATE\_DT DATE The date the record was parsed and loaded.

SURVEY\_FILE\_NAME VARCHAR2(200) The Caso XML file name.

IMAGE\_FILE\_NAME VARCHAR2(200) The Caso TIF file name.

### ANAPRD.DEMOGRAPHIC\_SURVEY\_ONLINE\_D

SURVEY\_NUMBER INTEGER SurveyGizmo supplied survey number, set in config.json

SURVEY\_INSTANCE\_ID INTEGER, Created by SurveyGizmo to clump responses to a specific instance of a survey

SURVEY\_SESION INTEGER Relates each row to a specifc instance of a survey

SURVEY\_LANGUAGE VARCHAR2(15) The language in which the survey taker viewed the survey.

DATE\_SUBMITTED DATE SurveyGizmo supplied date the survey data was entered.

FISCAL\_YEAR INTEGER The NYC fiscal year in which the survey was answered.

QUESTION\_ID INTEGER A unique id identifying each question.

QUESTION VARCHAR2(200) The question text that appears on a survey (translated to English).

ANSWER VARCHAR2(500) Either the selection in the survey clicked by the user or optional text entered by the user.

ANSWER\_IS\_OPTIONAL VARCHAR2(1) Set to ‘N’ by SurveyGizmo for answers with a defined set of responses. It is set to ‘Y’ if the user has chosen to type a response in the optional text box.

DATA\_SOURCE VARCHAR2(15) For SurveyGizmo surveys this is set to ‘Online’. Future paper surveys may user ‘Paper’.

CREATE\_DT DATE The date the record was parsed and

## SurveyGizmo Data Sources

ID System generated primary key

SURVEY\_NUMBER Specified in config file. Also found in JSON data/id

SURVEY\_INSTANCE\_ID In JSON data/survey\_data/id

SURVEY\_SESSION In JSON data/session\_id

SURVEY\_STATUS In JSON data/survey\_data/status

SURVEY\_LANGUAGE In JSON data/survey\_data/language

DT\_SUBMITTED In JSON data/survey\_data/date\_submitted

QUESTION\_ID In JSON data/survey\_data/

QUESTION In JSON data/survey\_data/id

ANSWER In JSON data/survey\_data/answer

ANSWER\_IS\_OPTIONAL In JSON data/survey\_data/options. If option tag holds “write-in optional” (see highlighted)

"options": {

"10029": {

"id": 10029,

"option": "Asian",

"answer": "Asian"

},

"10037": {

"id": 10037,

"option": "Other - (write-in optional)",

"answer": "Boznian"

}

},

DATA\_SOURCE Defaults to 'OnLine' for SurveyGizmo.

CREATE\_DT System generated date record created

## Caso Data Sources

ID System generated primary key

SURVEY\_NUMBER Found in XML BATCH\_NO field

SURVEY\_INSTANCE\_ID System generated

SURVEY\_SESSION Not used

SURVEY\_STATUS Defaulted to ‘Complete’

SURVEY\_LANGUAGE Found in XML Language field

DT\_SUBMITTED Found in XML Date field

QUESTION\_ID Not used

QUESTION Found in XML Value field

ANSWER Found in XML Id field

ANSWER\_IS\_OPTIONAL Not used

DATA\_SOURCE Defaults to ‘Paper’.

CREATE\_DT System generated date record created

## LOV table

## cc

## Encryption

The Python script passwordEncrypt.py is used to create an encryption key, encrypt password and test the encryption.

python passwordEncrypt.py -type RESET - Creates key

Generates a key and saves it in the file privateKey.pem.

python passwordEncrypt.py -type SET -password Actual \_Password

Encrypted: "Encrypted Password"

python passwordEncrypt.py -type TEST -password "Encrypted Password”

Decrypted: Actual \_Password

## Python Modules

passwordEncrypt.py Encryption module

common.py Routines that are used by other modules

manageFtp.py Handles reading files from the SFTP site

parseOnlineSurvey.py Processes OnLine survey data

parsePaperSurvey.py Processes Paper survey data

## SurveyGizmo Process Flow

The Python script that parses the SurveyGizmo API is initiated daily by a cron job.

### Read the config file to set parameters (see the Configuration File section)

Process the URL with the requests module (a standard Python REST reading module).

Extract the json tags comprising the survey.

Extract each question and answer set from the tags.

Process optional responses

Insert survey data into the database.

The survey parser includes logic to:

* + 1. Pull only survey responses that have not been previously processed.
    2. Eliminate any duplicate answers, based on the fields:

SURVEY\_NUMBER

SURVEY\_INSTANCE\_ID

DT\_SUBMITTED

QUESTION\_ID

Transfer results to Open Data through a view, defined below.

## Caso (Paper Survey) Process Flow

The Python script that parses the Caso XML is initiated daily by a cron job.

### Read the config file to set parameters (see the Configuration File section)

Read the SFTP site and read XML files

For each file:

Convert XML to JSON

Parse the JSON for defined fields (timestamp, Batch,ZIP, Langauge, Image Path)

Parse the JSON for questions and answers.

Insert survey data into the database. Remove records for which the answer holds only ~ characters.

Copy the Caso XML files to the archive folder (defined in config.json). The related image files remain in the Images folder.

## Cron

The Production environment’s crontab has an entry to run the API and XML parsing Python scripts every day.

Every day at 2 AM

0 0 14 \* \* /home/scripts/demographics\_survey/dailyOnlineSurvey.sh

Once a month on the 16th at 3 AM

0 0 0 16 15 /home/scripts/demographics\_survey/monthlyPaperSurvey.sh

## Extract for Open Data

## Legislation requires that age and Zip Code cannot be displayed in OpenData.

CREATE OR REPLACE FORCE VIEW ANAPRD.V\_DEMOGRAPHIC\_SURVEY\_DETAIL

(

ID,

SURVEY\_NUMBER,

SURVEY\_INSTANCE\_ID,

SURVEY\_STATUS,

SURVEY\_LANGUAGE,

DT\_SUBMITTED,

QUESTION,

ANSWER,

ANSWER\_IS\_OPTIONAL,

DATA\_SOURCE,

CREATE\_DT

)

AS

SELECT ID,

SURVEY\_NUMBER,

SURVEY\_INSTANCE\_ID,

SURVEY\_STATUS,

SURVEY\_LANGUAGE,

TRUNC (DT\_SUBMITTED) DT\_SUBMITTED,

QUESTION,

ANSWER,

ANSWER\_IS\_OPTIONAL,

DATA\_SOURCE,

TRUNC (CREATE\_DT) CREATE\_DT

FROM demographic\_survey\_paper\_d

WHERE question NOT IN ('What is your age?',

'Home ZipCode',

'What is your home zip code?')

UNION

SELECT ID,

SURVEY\_NUMBER,

SURVEY\_INSTANCE\_ID,

SURVEY\_STATUS,

SURVEY\_LANGUAGE,

TRUNC (DT\_SUBMITTED) DT\_SUBMITTED,

QUESTION,

ANSWER,

ANSWER\_IS\_OPTIONAL,

DATA\_SOURCE,

TRUNC (CREATE\_DT) CREATE\_DT

FROM demographic\_survey\_online\_d

WHERE question NOT IN ('What is your age?',

'Home ZipCode',

'What is your home zip code?');

## Reports - unimplemented

### Surveys loaded by day

* A listing of the last N days of survey activity. Intended to allow administrator see trends and determine when the process fails. Sent to each email recipient daily after each load.

## Troubleshooting Procedures

### Check Survey Number

## Run the URL below in a browser to find the survey id. Locate the correct survey title and the corresponding id (both highlighted).

## <https://restapica.surveygizmo.com/v5/survey/?api_token=9143c5b46c75acd535c6b0878965cf3657ad25520d35db9c92&api_token_secret=A9ktgq2mVJMtQ&>

## {

## "result\_ok": true,

## "total\_count": "1",

## "page": 1,

## "total\_pages": 1,

## "results\_per\_page": 5,

## "data": [{

## "id": "50019311",

## "team": "1472",

## "type": "Standard Survey",

## "status": "Launched",

## "created\_on": "2018-02-15 20:31:29",

## "modified\_on": "2018-02-16 14:36:22",

## "title": "NYC\_Demographic\_Survey\_HRA",

## "statistics": {

## "Deleted": 3,

## "Complete": 1

## },

## "links": {

## "edit": "https:\/\/appca.surveygizmo.com\/login\/v1?authenticate=da5a71e44e390b0adfbcd21b6a964950e3b7c8e8&account\_user\_id=50002557&r=%2Fprojects%2Feditor%3Fid%3D50019311&signature=100502",

## "publish": "https:\/\/appca.surveygizmo.com\/login\/v1?authenticate=da5a71e44e390b0adfbcd21b6a964950e3b7c8e8&account\_user\_id=50002557&r=%2Fdistribute%2Fshare%3Fid%3D50019311&signature=b3ca6b",

## "default": "https:\/\/ca.surveygizmo.com\/s3\/50019311\/NYC-Demographic-Survey-HRA"

## }

## }, {

## "id": "50003666",

## "team": "1472",

## "type": "Standard Survey",

## "status": "Launched",

## "created\_on": "2017-07-27 16:17:23",

## "modified\_on": "2017-12-08 14:21:09",

## "title": "NYC Demographic Survey",

## "statistics": {

## "Partial": 19,

## "Complete": 40,

## "TestData": "10"

## },

## "links": {

## "edit": "https:\/\/appca.surveygizmo.com\/login\/v1?authenticate=da5a71e44e390b0adfbcd21b6a964950e3b7c8e8&account\_user\_id=50002557&r=%2Fprojects%2Feditor%3Fid%3D50003666&signature=08422e",

## "publish": "https:\/\/appca.surveygizmo.com\/login\/v1?authenticate=da5a71e44e390b0adfbcd21b6a964950e3b7c8e8&account\_user\_id=50002557&r=%2Fdistribute%2Fshare%3Fid%3D50003666&signature=c89d25",

## "default": "https:\/\/m.sgizmoca.com\/s3\/NYC-Demographic-Survey"

## }

## }]

## }

### Error Logs

* Review the log in /home/scripts/survey/log

**Possible error Action to be taken**

|  |  |
| --- | --- |
| Insert Error | Check Oracle credentials in config.json |
| Invalid config.json | Check the specified json entry for syntax errors |
| Other config error | Config.json missing or corrupted |
| Bad credentials | Oracle user\_name or password incorrect |
|  |  |
|  |  |

* Sample Error Log:

INFO:root:Started 20180216 13:01:13

INFO:requests.packages.urllib3.connectionpool:Starting new HTTPS connection (1): restapica.surveygizmo.com

DEBUG:requests.packages.urllib3.connectionpool:"GET /v5/survey/50003666/surveyresponse/?api\_token=9143c5b46c75acd535c6b0878965cf3657ad25520d35db9c92&api\_token\_secret=A9ktgq2mVJMtQ&filter[field][0]=date\_submitted&filter[operator][0]=%3E=&filter[value][0]=2017-10-02+14:05:50 HTTP/1.1" 200 None

ERROR:root:Attempt to rerun survey 1506966517\_59d27bf574a9b6.92883466 dated 2017-10-02 12:48:52

INFO:root:Survey 50003666

INFO:root:Done 20180216 13:56:13 Total Responses: 40 Record Count: 441 Elapsed Seconds: 0.1

### **Sample Survey JSON:**

The URL: <https://restapica.surveygizmo.com/v5/survey/50003666/surveyresponse/?api_token=9143c5b46c75acd535c6b0878965cf3657ad25520d35db9c92&api_token_secret=A9ktgq2mVJMtQ&>

Yields a large JSON. The sample below is a small subset:

{

"result\_ok": true,

"total\_count": "27",

"page": 1,

"total\_pages": 1,

"results\_per\_page": 50,

"data": [{

"id": "35",

"contact\_id": "",

"status": "Complete",

"is\_test\_data": "0",

"date\_submitted**": "2017-10-23 16:47:54 GMT",**

"session\_id": "1508777125\_59ee1ca59b8784.47954922",

"language": "English",

"date\_started": "2017-10-23 16:45:25 GMT",

"link\_id": "3755629",

"url\_variables": {

"\_privatedomain": {

"key": "\_privatedomain",

"value": "t",

"type": "url"

}

},

"ip\_address": "161.185.161.23",

"referer": "https:\/\/appca.surveygizmo.com\/distribute\/share\/id\/50003666",

"user\_agent": "Mozilla\/5.0 (Windows NT 6.1; Win64; x64) AppleWebKit\/537.36 (KHTML, like Gecko) Chrome\/61.0.3163.100 Safari\/537.36",

"response\_time": 149,

"data\_quality": {

"checkbox": {

"one": {

"19": 19,

"26": 26,

"30": 30

}

}

},

"longitude": "-73.980499267578",

"latitude": "40.68090057373",

"country": "United States",

"city": "Brooklyn",

"region": "NY",

"postal": "11217",

"dma": "501",

"survey\_data": {

"4": {

"id": 4,

"type": "RADIO",

"question": "<strong>Do you want to participate in this survey?<\/strong>",

"section\_id": 1,

"answer": "Yes",

"answer\_id": 10007,

"shown": true

},

"96": {

"id": 96,

"type": "TEXTBOX",

"question": "<strong>What is your home zip code?<\/strong>",

"section\_id": 1,

"answer": "11201",

"shown": true

},

"36": {

"id": 36,

"type": "RADIO",

"question": "<strong>What NYC agency did you apply for services with today?<\/strong>",

"section\_id": 1,

"answer": "DYCD - Department of Youth and Community Development",

"answer\_id": 10226,

"shown": true

},

"41": {

"id": 41,

"type": "RADIO",

"question": "<strong>What service did you apply for?<\/strong>",

"section\_id": 1,

"shown": false

},

"43": {

"id": 43,

"type": "RADIO",

"question": "<strong>What service did you apply for?<\/strong>",

"section\_id": 1,

"answer": "Beacon",

"answer\_id": 10250,

"shown": true

},

"44": {

"id": 44,

"type": "RADIO",

"question": "<strong>What service did you apply for?<\/strong>",

"section\_id": 1,

"shown": false

},

"6": {

"id": 6,

"type": "MENU",

"question": "<strong>1. What is your <u>age<\/u>?<\/strong>",

"section\_id": 1,

"answer": "35 to 44",

"answer\_id": 10017,

"shown": true

},

"19": {

"id": 19,

"type": "parent",

"question": "<strong>2. What <u>races or ethnicities do you identify with<\/u>? <\/strong>",

"section\_id": 1,

"options": {

"10036": {

"id": 10036,

"option": "Multiracial \/ Multiethnic",

"answer": "Multiracial \/ Multiethnic"

}

},

"shown": true

},

"20": {

"id": 20,

"type": "parent",

"question": "<strong>3. What <u>ancestries or heritages do you identify with<\/u>?<\/strong>",

"section\_id": 1,

"options": {

"10054": {

"id": 10054,

"option": "Greek",

"answer": "Greek"

},

"10059": {

"id": 10059,

"option": "Hungarian",

"answer": "Hungarian"

}

},

"shown": true

},

"23": {

"id": 23,

"type": "RADIO",

"question": "<strong>5. What is the language you <u>speak most at home<\/u>?<\/strong>",

"section\_id": 1,

"answer": "English",

"answer\_id": 10118,

"shown": true

},

"22": {

"id": 22,

"type": "parent",

"question": "<strong>6. What <u>other languages<\/u> do you speak?<\/strong>",

"section\_id": 1,

"options": {

"10094": {

"id": 10094,

"option": "Greek",

"answer": "Greek"

},

"10106": {

"id": 10106,

"option": "Polish",

"answer": "Polish"

},

"10109": {

"id": 10109,

"option": "Russian",

"answer": "Russian"

},

"10113": {

"id": 10113,

"option": "Ukrainian",

"answer": "Ukrainian"

}

},

"shown": true

},

"24": {

"id": 24,

"type": "RADIO",

"question": "<strong>7. How well do you speak <u>English<\/u>?<\/strong>",

"section\_id": 1,

"answer": "Fluent\/Very well",

"answer\_id": 10154,

"shown": true

},

"26": {

"id": 26,

"type": "parent",

"question": "<p align=\"left\"><strong>8. How would you describe your gender?<\/strong><\/p>",

"section\_id": 1,

"options": {

"10172": {

"id": 10172,

"option": "Male",

"answer": "Male"

}

},

"shown": true

},

"29": {

"id": 29,

"type": "RADIO",

"question": "<p align=\"left\"><strong>9. What sex were you given at birth?<\/strong><\/p>",

"section\_id": 1,

"answer": "Male",

"answer\_id": 10189,

"shown": true

},

"101": {

"id": 101,

"type": "RADIO",

"question": "<strong>10. Are you intersex?<\/strong>",

"section\_id": 1,

"shown": false

},

"30": {

"id": 30,

"type": "parent",

"question": "<strong>11. What is your <u>sexual orientation<\/u>?<\/strong>",

"section\_id": 1,

"options": {

"10194": {

"id": 10194,

"option": "Heterosexual (straight)",

"answer": "Heterosexual (straight)"

}

},

"shown": true

}

}

}

]

}

### **Sample Caso Survey XML:**

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>

<Records>

<Record>

<Field id="Time\_Stamp" type="string" length="32">

<Value>06/01/2018 03:38:50 PM</Value>

</Field>

<Field id="BatchNo" type="number" length="10">

<Value>00000025</Value>

</Field>

<Field id="Date" type="number" length="8">

<Value>05122018</Value>

</Field>

<Field id="HomeZip" type="number" length="5">

<Value>46301</Value>

</Field>

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