Statistical Perceptions Serverless Survey

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For Researchers

- Working with Configuration Files
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For Developers

- Configuration Details

These documents outline how to use for researchers and for potential contributors.

Details that are for contributors denoted with the **</>** icon, when mixed into a page with other information it will be in a dropdown.

Working with Configuration Files

A configuration file is yaml

How YAML works

No shared parameters

This file is setup like:

```
    name_of_var1_for_q1: value_for_var1_q1
    name_of_var2_for_q1: value_for_var2_q1
    figure_values:
      name_of_fig_var1_for_q1: value_for_fig_var1_for_q1
  - question_id: unique_id_for_q2
    name_of_var1_for_q2: value_for_var1_q2
    name_of_var3_for_q2: value_for_var3_q2
    name_of_var3_for_q2: |
          value_for_var3_q2_line_1
          value_for_var3_q2_line_3
          value_for_var3_q2_line_3
    figure_values:
      name_of_fig_var1_for_q2: value_for_fig_var1_for_q2
```

Notes:

- Each `name_of_varX_for_qY` has to be a variable that the `make_question_page` function accepts
- reference for the functions is at the top of the notebook
- any variables not specified will get the default value as stated inthe documentation
- `figure_values` is a special variable that takes more variables. the nams of the fig variables are the ones for the `normal_curve_slider` function
- the variables can be in any order
- `question_id` must be stated, there is no default value for it
- only the first variable for each question gets a `-`
- `name_of_var3_for_q2` is an example of how to format a long value if you do not leave it on a single line.

Some come from the question and others are for the pate

No shared parameters

To share values across question it can be set up like

```
shared:
  name_of_var1_shared: value_for_var1_shared
  name_of_var2_shared: value_for_var2_shared
  figure_values:
    name_of_fig_var2_shared: value_for_fig_var2_shared
unique:
- question_id: unique_id_for_q1
  name_of_var4_for_q1: value_for_var4_q1
  figure_values:
```

```
    name_of_var4_for_q2: value_for_var4_q2
    figure_values:
      name_of_fig_var1_for_q2: value_for_fig_var1_for_q2
```

This is equivalent to (but, for many questions, more compact than)

```
- question_id: unique_id_for_q1
  name_of_var4_for_q1: value_for_var4_q1
  name_of_var1_shared: value_for_var1_shared
  name_of_var2_shared: value_for_var2_shared
  figure_values:
    name_of_fig_var2_shared: value_for_fig_var2_shared
    name_of_fig_var1_for_q1: value_for_fig_var1_for_q1
- question_id: unique_id_for_q2
  name_of_var4_for_q2: value_for_var4_q2
  name_of_var1_shared: value_for_var1_shared
  name_of_var2_shared: value_for_var2_shared
  figure_values:
    name_of_fig_var2_shared: value_for_fig_var2_shared
    name_of_fig_var1_for_q2: value_for_fig_var1_for_q2
```

Configuring your study

To configure the study you will need the urls to each follow-up survey. They do not have to be fully configured first though.

Page level Settings

```
---------------------------------------------------------------------------
ModuleNotFoundError                       Traceback (most recent call last)
Cell In[1], line 1
----> 1 import ssbuilder
      2 # import markdown
      3 from IPython.display import Markdown

ModuleNotFoundError: No module named 'ssbuilder'
```

Figure specific Settings

These settings vary by question type and the options are detailed on Question Types

Skip to main content

Building Level Options

```bash
%%bash
ssgeneratehtml --help
```

Question Types

> 🔔 **Question Implementation** ⌄
>
> Each question type is implemented as a class the class also specifies the HTML/js templates to use for that question type. The constructor documents the logging variables that can be passed. See more on

All questions must have certain parameters:

- `question_text`
- `question_id`

the `question_text` can include markdown formatting which will be rendered with the markdown package

```
---------------------------------------------------------------------------
ModuleNotFoundError                       Traceback (most recent call last)
Cell In[1], line 1
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      2 # import markdown
      3 from IPython.display import Markdown

ModuleNotFoundError: No module named 'ssbuilder'
```

Normal Curve Questions

This question has two normal curves, one moves and one does not.

Use `figure_type: NormalCurveSlider` with the following parameters in `figure_values`

this question type trades off between two two extremes over a number of models in the middle

Line Graph

Use `figure_type: TradeoffLine` with the following parameters for use in `figure_values` :

Bar Graph

Use `figure_type: TradeoffBar` with the following parameters for use in `figure_values`

Coordinating with Qualtrics

> ⚠️ **Important**
>
> This is the base documentation that may need updates

Overview

1. the first qualtrics survey sends data to normal curve only
2. middle ones receive data from and send data to the normal curve
3. the last one receives data only

Qualtrics -> SS

1. Add an embedded data block with the identifier to forward (eg panel ID or Response ID)
2. redirect end of survey to a url
3. embed the response id in the forwarding url:

Template

```
https://statistical-perceptions.github.io/IdentiCurve/<question_out_html_file>.html?id=
```

Skip to main content

```
https://statistical-perceptions.github.io/sample-nobackend/?id=${e://Field/ResponseID}
```

in this case, I only had one question page so there is no question_id set and I used the ResponseID feild.

note:

- if needed, we can pass more than a single unique identifier on, but that requires code changes

SS -> qualtrics

1. set up embedded data as the first block on the workflows tab
2. (if applicable) use piped text to refer to those values in the question text
3. (optional) add a branch after the embedded data to have people skip the survey "if id is Equal to demo"

- getting data from url

-

Qualtrics Help

- Piped text
- sum question
- embedded data

Configuration Details

Page level

Building from config