

Lab 2: Creating an Instrument

Purpose

In this lab, you will learn how to create a REDCap instrument for collecting data and enter some records into that instrument. You will investigate adding fields of varying types, field choices, and branching logic.

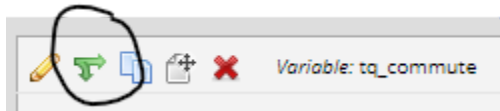
Lab Steps

1. Start with the new project you created in the first lab.
2. Add a form after Form 1 in the Online Designer and name it **Transportation Questionnaire**.
[Hint: one way to get to the Online Designer is by clicking on the Designer link under Project Home and Design in the left-hand nav bar.]
3. Add the fields found in the following table, paying attention to the field name, field label, field type, and choices columns.

#	Field Name	Field Label	Field Type	Choices
1	tq_commute	Check all the forms of transportation you used last year to commute to a job or school	Checkbox	A car that I drove; A car driven by friends or family; Uber/Lyft/Taxi or other ride-hailing service Bicycle; E-bike or E-scooter; Bus; Walk or run; Other commute option; Never commuted
2	tq_commute_other	Other commute option	Notes Box	
3	tq_own_car	Do you own a car?	Yes/No	
4	tq_car_quantity	How many cars do you (and your significant other) own?	Text Box	
5	tq_car_fuel	What kind of fuel does the car use?	Radio buttons	Gasoline; Diesel; Hybrid; Electricity; Fuel cell; Other

6	tq_car_fuel_other	Other type of fuel	Notes Box	
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4. Save the form and test it out by adding a record by clicking **Add / Edit Records** and then **Add new record**.
5. Return to the form designer. Fix any issues you noticed.
6. Add validation to the **tq_car_quantity** field so that it only allows **integer** (whole number) values.
7. Add branching logic to **tq_commute_other** field by clicking on the following icon next to the field name



- a. Use the drag-n-drop logic builder, dragging the **tq_commute = Other commute option** to the right box.
8. Add branching logic to the **tq_car_quantity** field so that it only displays when **tq_own car = Yes**.
9. Add branching logic to the **tq_car_fuel** field so that it only displays when **tq_own car = Yes**.
10. Add branching logic to the **tq_car_fuel_other** field so it only displays when **tq_car_fuel = Other**.

Extra credit

After creating the instrument, download the data dictionary and make a modification and upload the data dictionary to see your change