

Demo R jump start

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Data

First I will read my dataset:

```
pp <- read_csv('https://sldr.netlify.app/data/sustainable-livelihoods.csv')
```

Rows: 3074 Columns: 31

-- Column specification -----

Delimiter: ","

chr (17): Country, Partner, Gender, Town, District, Age_Group, Savings_Progr...

dbl (14): Participant_ID, n_Programs, FFS, FDS, Months_Enough_Food, Months_I...

i Use `spec()` to retrieve the full column specification for this data.

i Specify the column types or set `show_col_types = FALSE` to quiet this message.

```
head(pp)
```

A tibble: 6 x 31

	Participant_ID	Country	Partner	Gender	Town	District	Age_Group	Savings_Program
	<dbl>	<chr>	<chr>	<chr>	<chr>	<chr>	<chr>	<chr>
1	292	Tanzan~	geita	male	Nyar~	Chato	under_30	yes
2	163	Tanzan~	geita	female	Rwam~	Geita	under_30	yes
3	15	Tanzan~	geita	female	Buko~	Sengere~	30_49	yes
4	374	Tanzan~	geita	male	Maga~	Ngara	50_plus	yes
5	164	Tanzan~	geita	female	Rwam~	Geita	30_49	yes
6	795	Tanzan~	geita	male	Mtak~	Geita	30_49	no

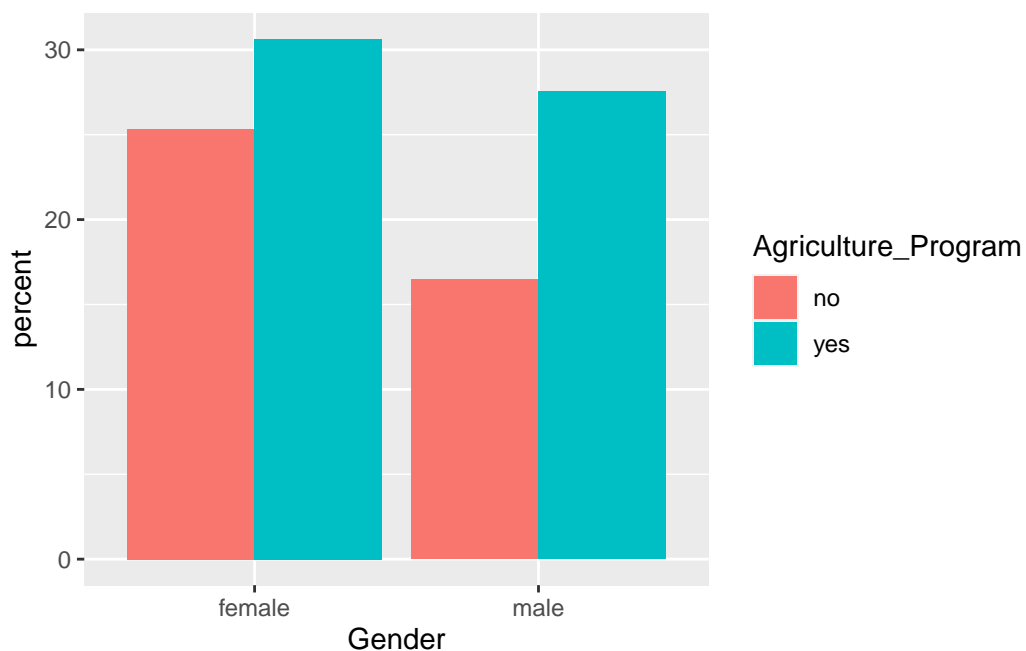
i 23 more variables: Leadership_Program <chr>, Agriculture_Program <chr>,
Literacy_Program <chr>, n_Programs <dbl>, FFS <dbl>, FDS <dbl>,

```
# Months_Enough_Food <dbl>, Months_Insufficient_Food <dbl>,
# Business_Plan <chr>, Management_Confidence <chr>,
# Sustainable_Ag_Practices <dbl>, Minimum_Tillage <dbl>, Soil_Covered <dbl>,
# Crop_Rotation <dbl>, All_Sustainable_Practices <dbl>,
# Increased_Yield <dbl>, Drought_Disease_Resistance <dbl>, ...
```

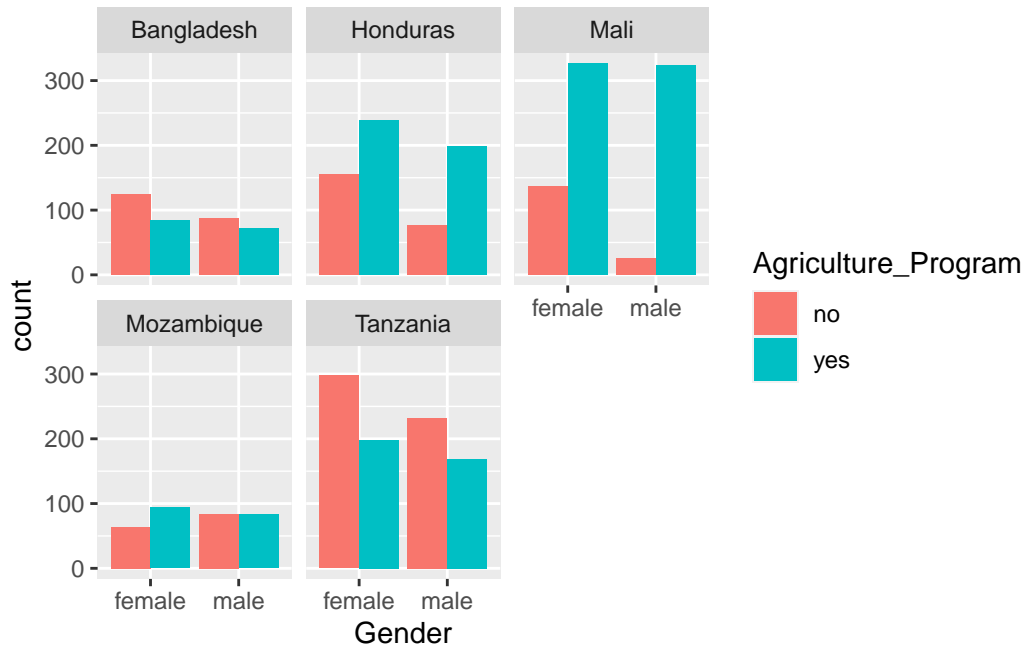
Are men or women more likely to participate in the agriculture program? Are these results different between countries?

Graphics

```
gf_percents(~Gender, fill = ~Agriculture_Program, data = pp, position = 'dodge')
```



```
gf_bar(~Gender | Country, fill = ~Agriculture_Program, data = pp, position = 'dodge')
```



text

I chose side-by-side bar graph because I am looking for the correlation between two categorical variables. I also used facet(Country) the third variable to see the relationship.

According to the second graph, men in Mali participated in the agriculture program the most. Women in Tanzania participated in the agriculture program the most.

critique: I think I can answer questions in a more professioned way rather than report what is obvious on the graph.