

Subnational FPET: Data preparation & run instructions

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May 24, 2019

The 2019 FPET has many changes from the 2018 FPET, including the default format used for data. Therefore, old CSVs used for subnational analysis cannot be read in the 2019 FPET. Below are the steps needed to create a new CSV in the format read by the 2019 FPET.

You will need to create two CSVs- one with survey data and one with population data. A third CSV will need to be created if you would like to use service statistics.

Creating a Subnational CSV for Survey data

Step 1: Create default country data from FPET.

1. Go to the “Prepare Data” Tab
2. Choose “Survey Data”
3. For Database, choose “Track20 2019”
4. Choose a country
5. Click “Load existing data”
6. Review the country level data, add or delete surveys as needed
7. Under “Data set name,” give your dataset a name, for example “Pakistan National Data”
8. Click Save

Family Planning Estimation Tool

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Survey data
Population data
Service statistics

Database:

Track20 2019
v

Country:

Pakistan
v

LOAD EXISTING DATA

Include?	Region code	Start year	End year	In union?	Age	Data series/type	Population	Modern contraceptive
✓		1975.33	1976.00	✓	15-49	Other	MW	0
✓		1998.00	2000.00	✓	15-49	Other	MW	
✓		1995.00	1997.00	✓	15-49	Other	MW	
✓		2006.67	2007.16	✓	15-49	DHS	MW	0
✓		1984.75	1985.24	✓	15-49	Other	MW	0
✓		1996.00	1998.00	✓	15-49	Other	MW	
✓		1979.00	1981.00	✓	15-49	Other	MW	

ADD NEW RECORD

DELETE SELECTED ROW

CLEAR DATA

Data set name

Pakistan National Data

SAVE

Survey data **Population data** Service statistics

Database:

UNPD 2019

Country:

Pakistan

LOAD EXISTING DATA

Region code	In union?	Age	Year	Population
	X	15-49	1970	3058720
	✓	15-49	1970	9307712
	X	15-49	1971	3142319
	✓	15-49	1971	9519679
	X	15-49	1972	3246009
	✓	15-49	1972	9744564
	X	15-49	1973	3366669

ADD NEW RECORD

DELETE SELECTED ROW

CLEAR DATA

Data set name

Pakistan Population Data

SAVE

Step 3: Editing CSV for Subnational Population Data

1. Open National Population CSV you saved

A	B	C	D	E	F
unit_num	is_in_uni	age_rang		populatio	region_c
eric_code	on	e	mid_year	n_count	ode
586	N	15-49	1970	3058720	
586	Y	15-49	1970	9307712	
586	N	15-49	1971	3142319	
586	Y	15-49	1971	9519679	
586	N	15-49	1972	3246009	
586	Y	15-49	1972	9744564	
586	N	15-49	1973	3366669	
586	Y	15-49	1973	9985469	
586	N	15-49	1974	3498567	
586	Y	15-49	1974	10245672	
586	N	15-49	1975	3638356	
586	Y	15-49	1975	10527828	
586	N	15-49	1976	3791232	
586	Y	15-49	1976	10836612	
586	N	15-49	1977	3951352	
586	Y	15-49	1977	11173762	
586	N	15-49	1978	4116750	
586	Y	15-49	1978	11540015	

2. Each line of data is the population of a group (either married or unmarried) and a year for women 15-49- copy and paste the national data for as many regions as you will enter. In our example, we are copy and pasting the entire dataset 3 times because we are adding in 3 regions worth of data.
3. Remove national data from these new lines in the column “population_count”
4. Add in your region_code. This is the name of your subnational region. Make sure it matches what you used in your Survey dataset.
5. Add in your regional population data- remember that the numbers will be different for married (Y) and unmarried (N) women – pay attention when adding in your data. You may find it easier to group all in unions and not in unions before adding subnational data.
 - a. You can get subnational population figures from your government estimates. If those data are not available, use can make your own estimates, but we would not advise using the results for the population count output in FPET (you can still use the proportions).
6. Save your CSV with an informational name, for example “Pakistan Subnational Population.CSV”

Creating a Subnational CSV for Service Statistics data- Only necessary if you have subnational service statistics

Step 1: Create default country data from FPET.

1. Go to the “Prepare Data” Tab
2. Click on “Service Statistics”
3. For Database, choose “None”
4. Choose a country
5. Click “Add New Record”
 - a. Add annual service statistics data (Note: I am using fake data here)
 - b. Repeat for each year of data
6. Under “Data set name,” give your dataset a name, for example “Pakistan Service Statistics National”
7. Click Save

Survey data

Population data

Service statistics

Database:

None

Country:

Pakistan

LOAD EXISTING DATA

Region code	Year	EMU	Service statistic type
	2016	0.200	clients
	2017	0.210	clients
	2018	0.220	clients

ADD NEW RECORD

DELETE SELECTED ROW

CLEAR DATA

Data set name

Pakistan Service Statistics National

SAVE

Step 2: Download dataset from FPET.

5. Go to "Manage Data" tab
6. Click on the box next to desired database
7. Scroll to bottom and click "Download Selected Databases"
8. Open zip drive and save CSV in convenient location

Step 3: Editing CSV for Subnational Population Data

1. Open National Service Statistics CSV you saved

A	B	C	D	E	F	G	H
Country letter code	ISO code	Country	Start year	End year	EMU	SS type	region_code
PAK	586	Pakistan	2016	2016	0.2	clients	
PAK	586	Pakistan	2017	2017	0.21	clients	
PAK	586	Pakistan	2018	2018	0.22	clients	

- Each line of data is a EMU value for one year- copy the lines you want to use for subnational analysis, and paste them below the national data.
- Remove national data from these new lines (EMU). You want to keep data for each year that will not vary by region, such as the ISO code, start and end dates, and SS type.

A	B	C	D	E	F	G	H
Country letter code	ISO code	Country	Start year	End year	EMU	SS type	region_code
PAK	586	Pakistan	2016	2016	0.2	clients	
PAK	586	Pakistan	2017	2017	0.21	clients	
PAK	586	Pakistan	2018	2018	0.22	clients	
PAK	586	Pakistan	2016	2016		clients	
PAK	586	Pakistan	2017	2017		clients	
PAK	586	Pakistan	2018	2018		clients	

- For each subnational region you will include, you want to copy and paste these data-free lines. In this example, I will add data for 3 regions
- Add in your region_code. This is the name of your subnational region.
- Add in your EMU data. (Note: Note: I am using fake data here)

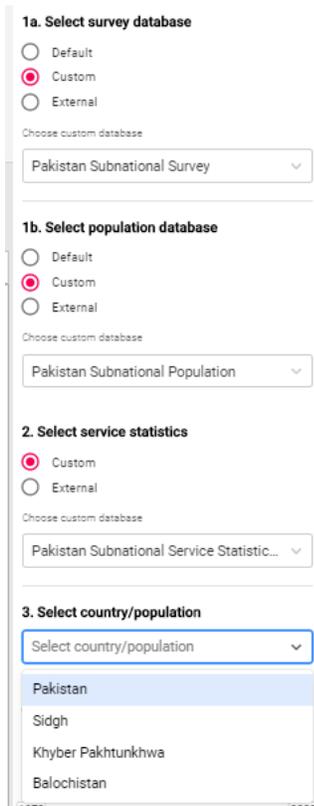
	A	B	C	D	E	F	G	H	I
1	Country letter code	ISO code	Country	Start year	End year	EMU	SS type	region_code	
2	PAK	586	Pakistan	2016	2016	0.2	clients		
3	PAK	586	Pakistan	2017	2017	0.21	clients		
4	PAK	586	Pakistan	2018	2018	0.22	clients		
5	PAK	586	Pakistan	2016	2016	0.41	clients	Sindh	
6	PAK	586	Pakistan	2017	2017	0.39	clients	Sindh	
7	PAK	586	Pakistan	2018	2018	0.37	clients	Sindh	
8	PAK	586	Pakistan	2016	2016	0.12	clients	Khyber Pakhtunkhwa	
9	PAK	586	Pakistan	2017	2017	0.14	clients	Khyber Pakhtunkhwa	
10	PAK	586	Pakistan	2018	2018	0.16	clients	Khyber Pakhtunkhwa	
11	PAK	586	Pakistan	2016	2016	0.1	clients	Balochistan	
12	PAK	586	Pakistan	2017	2017	0.1	clients	Balochistan	
13	PAK	586	Pakistan	2018	2018	0.1	clients	Balochistan	
14									

- Save your CSV with an informational name, for example “Pakistan Subnational Service Statistics.CSV”

Loading Region Level Data into FPET

- Go to FPET.track20.org
- Click on “Start Run”
- Under “Select survey dataset” choose “External”
- Click “Choose Database”
 - Select your subnational database for Surveys
 - Click “Upload database”
 - You can tell database is uploaded when the pink dot switches to “Custom” and you see your database in the Custom dropdown menu
- Under “Select population dataset” choose “External”

6. Click “Choose Database”
 - a. Select your subnational database for Population
 - b. Click “Upload database”
 - c. You can tell database is uploaded when the pink dot switches to “Custom” and you see your database in the Custom dropdown menu
7. If using service statistics: Under “Select service statistics” choose “External”
8. Click “Choose Database”
 - a. Select your subnational database for Service Statistics
 - b. Click “Upload database”
 - c. You can tell database is uploaded when the pink dot switches to “Custom” and you see your database in the Custom dropdown menu
9. Check to make sure your files loaded correctly.
 - a. Click on “Select country/population” drop arrow
 - b. You should see the country name as well as all the regions you included
 - c. If you do not see a region you included, it is probably because there is a different spelling (or spacing or accent) between the files



The screenshot shows a web-based interface for selecting survey and population databases. It is divided into three main sections:

- 1a. Select survey database:** Radio buttons for Default, Custom (selected), and External. Below is a dropdown menu showing "Pakistan Subnational Survey".
- 1b. Select population database:** Radio buttons for Default, Custom (selected), and External. Below is a dropdown menu showing "Pakistan Subnational Population".
- 2. Select service statistics:** Radio buttons for Custom (selected) and External. Below is a dropdown menu showing "Pakistan Subnational Service Statistic...".
- 3. Select country/population:** A dropdown menu with "Select country/population" selected. The dropdown list is open, showing "Pakistan" (highlighted), "Sldgh", "Khyber Pakhtunkhwa", and "Balochistan".

10. Choose a region
11. Input a run name
12. Change estimate years if desired
13. Review data to make sure it loaded correctly
14. Click “Start run”

15. You will be taken to “Run History” and see a white timer. When the run is done it will turn green. If a problem occurs, it will turn red. This process will take a few minutes.
 - a. You can have multiple runs processing simultaneously.
 - b. To run another region while waiting for results, click “Start Run”
 - c. In “Select survey database” choose “Custom” and choose your subnational database
 - d. In “Select population database” choose “Custom” and choose your subnational database
 - e. In “Select service statistics” choose “Custom” and choose your subnational database
 - f. Choose a different region, review data, and start your run

16. Once the timer has turned green on a run, you can go to the Results and Charts tabs to see your results

17. You can return to Run History screen to check progress on and access additional runs