faoswsTourist: Data Sources

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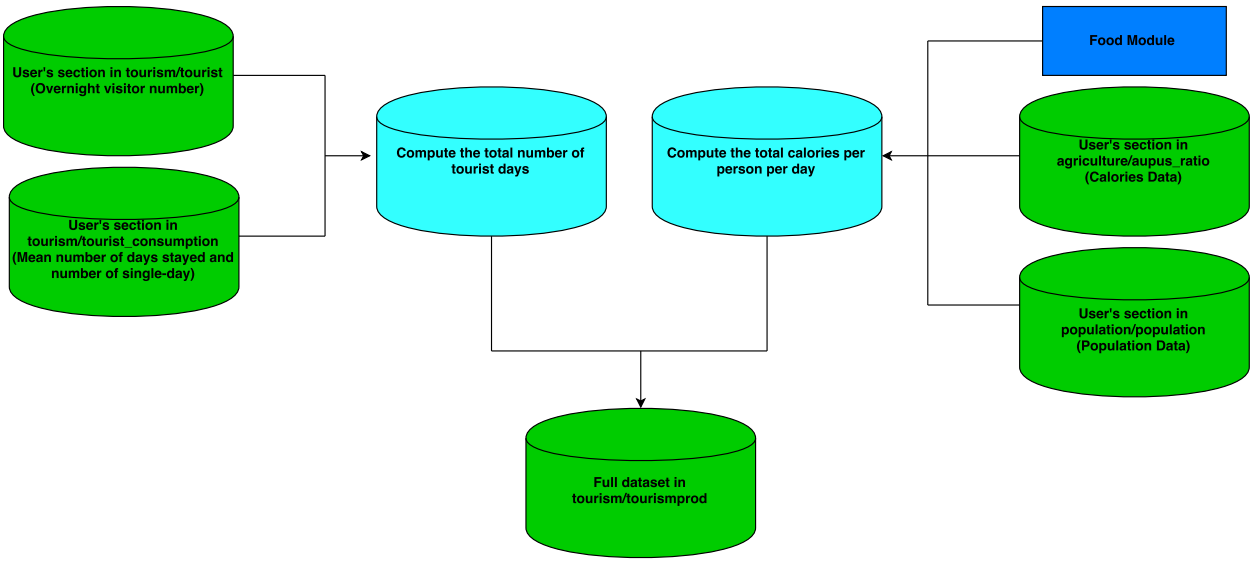
About this document

This vignette is a detailed guide of the various data sources used in the **Tourist Module**.

1 Data Sources

1.1 Flow Chart

Description of how the Tourist Module works



1.2 Example of tables

- agriculture domain, aproduction dataset. In this table there are the commodities consumed by country and year provided by the Food Module.

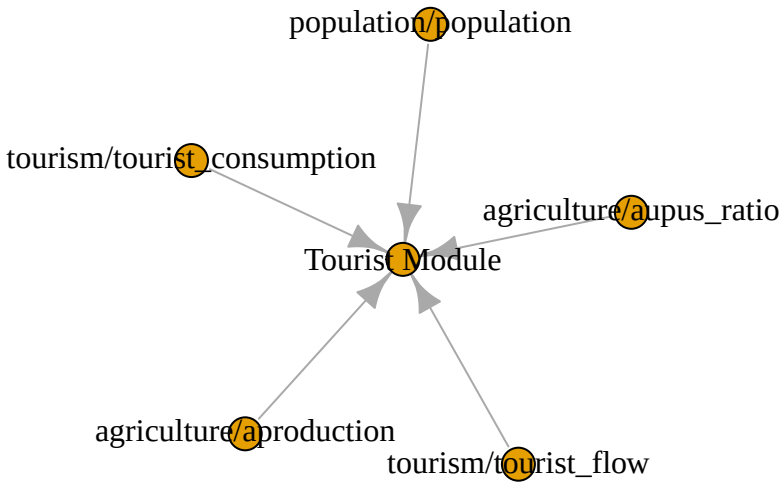
geographicAreaM49	measuredElement	measuredItemCPC	timePointYears	Value	flagObservationStatus	flag
4	5141	01221	2012	169629.700	I	e
4	5141	01229	2012	210423.900	I	e
4	5141	01290.90	2012	469965.300	I	e
4	5141	01312	2012	27692.920	I	e
4	5141	01314	2012	6037.902	I	e
4	5141	01315	2012	823.302	I	e

- population domain, population dataset. In this table there are the population by country and year.

geographicAreaM49	measuredElementPopulation	timePointYears	Value	flagPopulation
4	21	2012	29825	/
4	21	2011	29105	/
4	21	2010	28398	/
8	21	2012	3162	/
8	21	2011	3154	/
8	21	2010	3150	/

1.3 Graph

It shows which domains/datasets were used in this module.



2 Process of Tourist Module

1. to pull the **bidirectional movement data** with the **overnight visitor number** from **tourism/tourist_flow**;

destinationCountryM49	originCountryM49	tourismElement	timePointYears	Value	flagObservationStatus	flagM
76	24	60	2012	37779		

destinationCountryM49	originCountryM49	tourismElement	timePointYears	Value	flagObservationStatus	flagM
76	24	60	2011	37221		
76	24	60	2010	38051		
76	32	60	2012	1671604		
76	32	60	2011	1593775		
76	32	60	2010	1399592		

2. to pull the **mean number of days stayed** (tourismElement = 20) and the **number of single-day visitors** (tourismElement = 30) from to all countries from **tourism/tourist_consumption**;

geographicAreaM49	tourismElement	timePointYears	Value	flagObservationStatus	flagMethod
380	20	2012	3.71		
380	20	2011	3.72		
380	20	2010	3.77		
380	30	2012	29933.00		
380	30	2011	29747.00		
380	30	2010	29599.00		

3. to compute the total number of **"tourist days"** from and to **each country** by adding the **day visitor counts** with the product of the **overnight visitor counts** and the **average nights per visitor**;

originCountryM49	destinationCountryM49	tourismElement	timePointYears	Value
380	100	60	2010	639539.8
380	100	60	2011	671916.3
380	100	60	2012	660754.6
380	104	60	2010	57833.0
380	104	60	2011	78105.0
380	104	60	2012	76276.0

4. to pull the **food data consumption** from each commodity for all the countries from **agriculture/aproduction (Food Module)**;

geographicAreaM49	measuredElement	measuredItemCPC	timePointYears	Value	flagObservationStatus	flag
4	5141	01221	2012	169629.700	I	e
4	5141	01229	2012	210423.900	I	e
4	5141	01290.90	2012	469965.300	I	e
4	5141	01312	2012	27692.920	I	e
4	5141	01314	2012	6037.902	I	e
4	5141	01315	2012	823.302	I	e

5. to compute the **calories data** for each commodity/country from **agriculture/aupus_ratio**;

geographicAreaM49	measuredElement	timePointYearsSP	measuredItemCPC	Value	flagPopulation
4	261	0	0115	327	N
4	261	0	01221	13	N

geographicAreaM49	measuredElement	timePointYearsSP	measuredItemCPC	Value	flagPopulation
4	261	0	01229	22	N
4	261	0	01315	75	N
4	261	0	01323	29	N
4	261	0	01330	67	N

6. to pull the **population data** from population/population;

geographicAreaM49	measuredElementPopulation	timePointYears	Value	flagPopulation
4	21	2012	29825	/
4	21	2011	29105	/
4	21	2010	28398	/
8	21	2012	3162	/
8	21	2011	3154	/
8	21	2010	3150	/

7. to compute **total calories per person per day** for each country;

geographicAreaM49	measuredItemCPC	timePointYears	Value
100	01211	2012	0.26
100	01212	2012	2.69
100	01213	2012	0.15
100	01214	2012	0.18
100	01215	2012	0.09
100	01216	2012	0.00

8. to merge the steps **3** and **7**, we are able to compute the amount of calories consumption for tourists.

timePointYears	geographicAreaM49	measuredItemCPC	tourismElement	Value	flagObservationStatus	flagM
2012	380	01192	100	60001870	I	e
2012	380	01211	100	10445679	I	e
2012	380	01212	100	106880731	I	e
2012	380	01213	100	124113235	I	e
2012	380	01214	100	157405729	I	e
2012	380	01215	100	29847199	I	e