

INSTITUTO TECNOLOGICO DE TIJUANA

CARRERA INGENIERÍA EN SISTEMAS COMPUTACIONALES

MATERIA

MINERÍA DE DATOS

TAREA

PRÁCTICA EVALUATORIA, UNIDAD #1

FECHA ENTREGA 21/03/2022

ALUMNO(A)

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TECNOLÓGICO NACIONAL DE MÉXICO

INSTITUTO TECNOLÓGICO DE TIJUANA SUBDIRECCIÓN ACADÉMICA

Departamento de Sistemas y Computación **EXAMEN**

Carrera: Ingeniería En Sistemas Computacionales/ Tecnologías de la información/ Informatíca Período: **Febrero-Junio 2022** Materia: Mineria de datos Grupo: BDD-1703SC9C Salón: Unidad (es) a evaluar: Unidad 1 Tipo de examen:Practico Fecha: Catedrático: Jose Christian Romero Hernandez Firma del maestro: Calificación:

Alumno:		No. Control:
	Instrucciones	

Desarrolle el siguiente problema con R y RStudio para la extracción de conocimiento que el problema require.

El Banco Mundial quedó muy impresionado con su entrega en la asignación anterior y tienen un nuevo proyecto para usted.

Debe generar un diagrama de dispersión (scatter-plot) que muestre las estadísticas de esperanza de vida (Life expectancy - eje y) y tasa de fertilidad (Fertility Rate -eje x) por país (Country).

El diagrama de dispersión también debe clasificarse por países Regiones (Country Regions).

Se le han proporcionado datos durante 2 años: 1960 y 2013 y se le exige que produzca una visualización para cada uno de estos años.

Algunos datos se han proporcionado en un archivo CVS, algunos en vectores R. El archivo CVS contiene datos combinados de ambos años. Toda manipulación de datos debe realizarse en R (No en Excel) porque este proyecto puede ser auditado en una etapa posterior.

También se le ha pedido que proporcione información sobre cómo se comparan los dos períodos. (Hint: Basicamente la explicación de sus observaciones)

Nota:

Los archivos para realizar esta practica que son Evaluation_Vectors.R y DataFrameEvaluation_Data.csv se encuentra en la carpeta de Google Drive compartida Recursos/Informacion-U1:

Instrucciones de evaluación

- Tiempo de entrega 22 de marzo 2022

- Al terminar poner el codigo y la documentación con su explicación en el branch correspondiete de su github, asi mismo realizar su explicación de la solución en su google drive en documento de google (Portada, Introduccion, Desarrollo, etc). - Finalmente defender su desarrollo en un video de 6-8 min explicando su solución y obsevaciones, este servira para dar su calificación de esta práctica evaluatoria, este video debe subirse a youtube para ser compartido por un link publico (Utilicen google meet o MS Teams con las camaras encendidas y graben su defensa para eleborar el video).

Happy Coding:)!

Práctica

#Execute below code to generate three new vectors // Ejecutamos para generar los 3 vectores

```
Z', BBL', BBR', BRN', BTN', BTN', BTN', BTN', BTN', BTN', CAF', CAN', CHE', CHL', CHN', CTV', CMR', 'COG', COL', COM', 'CPV', CPR', CPC', CYE', CYE', DIJ', DINK', M', "DZA', "ECU', "EGY', "EGY', "EST', "ETT', "FIN', "FIN', "FIN', "FIN', "FSN', "GAB', "GBR', "GBC', "GIN', "GIN', "GNB', "GN
```

#read values // lee los valores del archivo agregado

```
> values <- read.csv(file.choose())
```

Install function to graph // instalamos función para graficar

```
> library(ggplot2)
> |
```



Create data frame using previous values // Creamos tabla usando los datos del archivo

> Vectores <- data.frame(Country= Country_Code, LExpectancy1960 = Life_Expectancy_At_Birth_1960, LExpectancy2013 = Life_Expectancy_At_Birth_2013)
> values60s <- values\$Year == 1960

#Vamos hacer 2 vectores más para facilitar uno para cada año

```
> values60s <- values$Year == 1960
> values13s <- values$Year == 2013
```

Using the above vector to create a dataframe with correct values // con esta función hacemos una tabla y mandamos a hablar a los valores correctos de cada vector

```
> funcional60s <- values[values60s, ]
> funcional13s <- values[values13s, ]
```

here we are going to merge the vectors with the functional data // aqui vamos a fusionar los vectores con los datos funcionales

```
> year60 <- merge(funcional60s, Vectores[,-c(3)], by.x = "Country.Code", by.y = "Country")
> year13 <- merge(funcional13s, Vectores[,-c(2)], by.x = "Country.Code", by.y = "Country")</pre>
```



#Filter for new dataframe // Filtro

#Year 1960

	lataf1960<-year					
	lataf1960<-year6	0[dataf1960,]				
> d	lataf1960					
	Country.Code	Country.Name			Fertility.Rate	
1	ABW		The Americas		4.820	65.5693
2	AFG	Afghanistan		1960	7.450	32.3285
3	AGO	Angola			7.379	32.9848
4	ALB	Albania	Europe		6.186	62.2543
5	ARE	United Arab Emirates	Middle East		6.928	52.2432
6	ARG		The Americas		3.109	65.2155
7	ARM	Armenia		1960	4.550	65.8634
8	ATG	Antigua and Barbuda	The Americas	1960	4.425	61.7827
9	AUS	Australia	Oceania	1960	3.453	70.8170
10	AUT	Austria	Europe	1960	2.690	68.5856
11	AZE	Azerbaijan		1960	5.571	60.8362
12	BDI	Burundi	Africa	1960	6.953	41.2360
13	BEL	Belgium	Europe	1960	2.540	69.7019
14	BEN	Benin	Africa	1960	6.282	37.2782
15	BFA	Burkina Faso	Africa	1960	6.291	34.4779
16	BGD	Bangladesh	Asia	1960	6.725	45.829
17	BGR	Bulgaria	Europe		2.310	69.2475
18	BHR	Bahrain	Middle East	1960	7.090	52.0893
19	BHS	Bahamas, The	The Americas	1960	4.495	62.7290
20	BIH	Bosnia and Herzegovina			3.770	60.2762
21	BLR	Belarus	Europe	1960	2.670	67.7081
22	BLZ	Belize	The Americas	1960	6.500	59.9613
23	BOL	Bolivia	The Americas	1960	6.700	42.1183
24	BRA	Brazil	The Americas	1960	6.210	54.2054
25	BRB	Barbados	The Americas	1960	4.333	60.7380





2.5	BRB	Barbados	The	Americas	1960	4.333	60.7380
26	BRN	Brunei Darussalam			1960	6.487	62.5003
7	BTN	Bhutan			1960	6,670	32.3593
28	BWA	Botswana		Africa		6.615	50.5477
9		Central African Republic		Africa		5.840	36.4826
30	CAN		The	Americas		3.811	71.1331
31	CHE	Switzerland		Europe		2.440	71.3134
32	CHL	Chile	The	Americas		5.113	57.4582
3	CHN	China			1960	5.758	43.4658
34	CIV	Cote d'Ivoire		Africa	1960	7.351	36.8724
35	CMR	Cameroon		Africa		5.647	41.5237
36	COD	Congo, Dem. Rep.		Africa		6.001	41.0180
37	COG	Congo, Rep.		Africa		5.880	48.5816
88	COL	Colombia	The			6.807	56.7167
39	COM	Comoros		Africa	1960	6.792	41.4424
10	CPV	Cabo Verde		Africa		6.885	48.8564
1	CRI	Costa Rica	The			6.451	60.5762
2	CUB	Cuba	The	Americas	1960	4.182	63.9046
.3	CYP	Cyprus		Europe	1960	3.500	69.5939
4	CZE	Czech Republic		Europe		2.090	70.3487
.5	DEU	Germanv		Europe		2.370	69.3129
-6	DJI	Diibouti		Africa		6.461	44.0212
.7	DNK	Denmark		Europe	1960	2.570	72.176
8	DOM	Dominican Republic	The	Americas	1960	7.555	51.8452
.9	DZA	Algeria		Africa	1960	7.524	46.1351
0	ECU	Ecuador	The	Americas	1960	6.721	53.2150
1	EGY	Egypt, Arab Rep.		Africa	1960	6.630	48.0137
2	ERI	Eritrea		Africa	1960	6.899	37.3629
3	ESP	Spain		Europe	1960	2.860	69.1092
4	EST	Estonia		Europe		1.980	67.9059
5	ETH	Ethiopia		Africa		6.880	38.4057
6	FIN	Finland		Europe	1960	2.720	68.8197
7	FJI	Fiji		oceania		6.461	55.9584
8	FRA	France		Europe	1960	2.850	69.8682
9	FSM	Micronesia, Fed. Sts.		oceania		6.934	57.5865
50	GAB	Gabon		Africa	1960	4.384	39.5701
51	GBR	United Kingdom		Europe	1960	2.690	71.1268
52	GEO	Georgia			1960	2.964	63.4318





69	GRD	Grenada	The Americas	1960	6.743	59.8159
70	GTM		The Americas		6.534	45.5316
71	GUM	Guam	Oceania		6.052	61.2263
72	GUY		The Americas		5.754	60.2787
73	HKG	Hong Kong SAR, China		1960	5.162	66.9997
74	HND		The Americas		7.458	46.2883
 75	HRV	Croatia	Europe		2.332	64.6086
76	HTI		The Americas		6.324	42.1001
. c 77	HUN	Hungary	Europe		2.020	68.0031
78	IDN	Indonesia		1960	5.666	48.6403
79	IND	India		1960	5.906	41.1719
80	IRL	Ireland	Europe		3.780	69.6917
81	IRN	Iran, Islamic Rep.	Middle East		6.927	44.9455
82	IRQ	Iraq			6,252	48.0306
83	ISL	Iceland	Europe		4.290	73.4286
84	ITA	Italy	Europe		2.370	69.1239
85	JAM		The Americas		5.419	64.1918
86	JOR		Middle East		7.687	52.6852
87	JPN	Japan	Asia	1960	2.001	67.6661
88	KAZ	Kazakhstan		1960	4.563	58.367
89	KEN	Kenya	Africa	1960	7.946	46.3624
90	KGZ	Kyrqyz Republic	Asia	1960	5.166	56.1280
91	KHM	Cambodia	Asia	1960	6.967	41.2320
92	KIR	Kiribati	Oceania	1960	6.788	49.2159
93	KOR	Korea, Rep.	Asia	1960	6.155	53.001
94	KWT	Kuwait	Middle East	1960	7.251	60.3479
95	LAO	Lao PDR	Asia	1960	5.961	43.204
96	LBN	Lebanon	Middle East	1960	5.739	63.280
97	LBR	Liberia	Africa	1960	6.406	34.783
98	LBY	Libya	Africa	1960	7.202	42.641
99	LCA	St. Lucia	The Americas	1960	6.967	57.3037
100	LKA	Sri Lanka	Asia	1960	5.541	59.7471
101	LS0	Lesotho	Africa	1960	5.839	46.5107
102	LTU	Lithuania	Europe	1960	2.560	69.847
103	LUX	Luxembourg	Europe	1960	2.290	68.446
104	LVA	Latviã	Europe	1960	1.940	69.7868
105	MAC	Macao SAR, China	Asia.	1960	4.945	64.6609
106	MAR	Morocco	Africa	1960	7.065	48.4466

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101	LS0	Lesotho	Africa		5.839	46.5107
102	LTU	Lithuania	Europe		2.560	69.8473
103	LUX	Luxembourg	Europe		2.290	68.4463
104	LVA	Latvia	Europe		1.940	69.7868
105	MAC	Macao SAR, China		1960	4.945	64.6609
106	MAR	Morocco	Africa	1960	7.065	48.4466
107	MDA	Moldova	Europe	1960	3.328	61.8127
108	MDG	Madagascar	Africa		7.300	39.9746
109	MDV	Maldives	Asia		7.021	37.2686
110	MEX	Mexico	The Americas	1960	6.768	57.0656
111	MKD	Macedonia, FYR	Europe	1960	3.842	60.6228
112	MLI	Mali	Africa	1960	6.967	28.2116
113	MLT	Malta	Europe	1960	3.620	67.6017
114	MMR	Myanmar	Asia	1960	6.051	42.7363
115	MNE	Montenegro	Europe	1960	3.521	63.7056
116	MNG	Mongolia	Asia.	1960	6.953	48.3688
117	MOZ	Mozambique	Africa	1960	6.600	35.0037
118	MRT	Mauritania	Africa	1960	6.775	43.4831
119	MUS	Mauritius	Africa	1960	6.167	58.7452
120	MWI	Malawi	Africa	1960	6.940	37.7736
121	MYS	Malaysia	Asia	1960	6.194	59.4753
122	NAM	Namibia	Africa	1960	6.150	46.8803
123	NCL	New Caledonia	oceania	1960	6.278	58.6390
124	NER	Niger	Africa	1960	7.407	35.5150
125	NGA	Nigeria	Africa	1960	6.354	37.1829
126	NIC	Nicaragua	The Americas	1960	7.336	46.9988
127	NLD	Nether lands	Europe	1960	3.120	73.3926
128	NOR	Norway	Europe	1960	2.850	73.5497
129	NPL	Nepaĺ	Asia	1960	5.959	35.1708
130	NZL	New Zealand	Oceania	1960	4.129	71.2365
131	OMN	Oman	Middle East	1960	7.247	42.6670
132	PAK	Pakistan	Asia	1960	6.600	45.2904
133	PAN	Panama	The Americas	1960	5.870	60.8817
134	PER	Peru	The Americas	1960	6.971	47.6915
135	PHL	Philippines	Asia		7.148	57.8119
136	PNG	Papua New Guinea	Oceania		6.275	38.4622
137	POL	Poland	Europe		2.980	67.6804
138	PRI		The Americas		4.657	68.7196

L3U	NZ L	New Zealand	oceania		4.129	/I.2300
131	OMN	Oman		1960	7.247	42.6670
132	PAK	Pakistan	Asia	1960	6.600	45.2904
133	PAN	Panama	The Americas	1960	5.870	60.8817
134	PER	Peru	The Americas	1960	6.971	47.6915
135	PHL	Philippines	Asia	1960	7.148	57.8119
136	PNG	Papua New Guinea	Oceania	1960	6.275	38.4622
137	POL	Poland	Europe	1960	2.980	67.6804
138	PRI	Puerto Rico	The Americas	1960	4.657	68.7196
139	PRT	Portugal	Europe	1960	3.160	62.8089
140	PRY	Paraguay	The Americas	1960	6.500	63.7937
141	PYF	French Polynesia	Oceania	1960	5.658	56.3570
142	QAT	Qatar	Middle East	1960	6.971	61.2060
143	ROU	Romania	Europe	1960	2.340	65.6424
144	RUS	Russian Federation	Europe	1960	2.520	66.0552
145	RWA	Rwanda	Africa	1960	8.187	42.2492
146	SAU	Saudi Arabia	Middle East	1960	7.216	45.6662
147	SDN	Sudan	Africa	1960	6.691	48.1876
148	SEN	Senegal	Africa	1960	6.951	38.2060
149	SGP	Singapore	Asia	1960	5.454	65.6598
150	SLB	Solomon Islands	Oceania	1960	6.388	49.3817
151	SLE	Sierra Leone	Africa	1960	5.970	30.3315
152	SLV	El Salvador	The Americas	1960	6.674	49.9479
153	SOM	Somalia	Africa	1960	7.250	36.9658
154	SSD	South Sudan	Africa	1960	6.721	31.6767
155	STP	Sao Tome and Principe	Africa	1960	6.242	50.4513
156	SUR	Suriname	The Americas	1960	6.608	59.6801
157	5VK	Slovak Republic	Europe	1960	3.040	69.9759
158	5VN	Slovenia	Europe	1960	2.324	68.9780
159	SWE	Sweden	Europe	1960	2.170	73.0056
160	SWZ	Swaziland	Africa	1960	6.717	44.2337
161	SYR	Syrian Arab Republic	Middle East	1960	7.467	52.7682
162	TCD	Chad	Africa	1960	6.250	38.0161
163	TGO	Togo		1960	6.521	40.2728
164	THA	Thailand	Asia	1960	6.147	54.6993
165	TJK	Tajikistan	Asia	1960	6.235	56.1535
166	TKM	Turkmenistan	Asia	1960	6.415	54.4586
[reached	d'max'/	<pre>getOption("max.print")</pre>	omitted 2:	1 rows 1		



#Year 2013

>							
	dataf2012\$LEVN	ectancy2013<-NULL					
	dataf2013<-year						
		1337ean ==2013 ^13[dataf2013,]					
	dataf2013<-yea dataf2013	15[uata12015,]					
_ '	Country.Code	Country, Name		Rogion	Voor	Fortility Bato	LExpectancy2013
1	ABW		The	Americas		1.669	75.32866
2	AFG	Afghanistan	IIIe	Asia		5.050	60.02827
3	AGO	Angola		Africa		6.165	51.86617
4	ALB	Albania		Europe		1.771	77.53724
5	ARE	United Arab Emirates	мі	ddle East		1.801	77.19563
6	ARG	Argentina				2.335	75.98610
7	ARM	Armenia	IIIe	Asia		1.553	74.56137
8	ATG	Antiqua and Barbuda	The			2.088	75.77866
9	AUS	Antrgua and Barbuda Australia	IIIE	Oceania		1.921	82.19756
10	AUT	Australia		Europe		1.440	80.89024
11	AZE	Azerbaijan		Asia		2.000	70.69315
12	BDI	Burundi		Africa		6.035	56.25161
13	BEL	Belgium		Europe		1.790	80.38537
14	BEN	Benin		Africa		4.846	59.31202
15	BFA	Burkina Faso		Africa		5.607	58.24063
16	BGD	Bangladesh		Asia		2,209	71.24524
17	BGR	Bulgaria		Europe		1.500	74.46585
18	BHR		мі	ddle East		2.075	76.54595
19	BHS	Bahamas. The				1.883	75.07354
20	BIH	Bosnia and Herzegovina		Europe		1.272	76,27693
21	BLR	Belarus		Europe		1.620	72.47073
22	BLZ		The	Americas		2.611	69.98205
23	BOL	Bolivia	The	Americas	2013	3.017	67.91344
24	BRA			Americas		1.801	74.12244
25	BRB	Barbados	The	Americas	2013	1.791	75.33395
26	BRN	Brunei Darussalam		Asia		1.893	78.54666
27	BTN	Bhutan		Asia	2013	2.082	69.10293
28	BWA	Botswana		Africa		2.864	64.36080
29	CAF	Central African Republic		Africa	2013	4.368	49.87988
30	CAN		The	Americas	2013	1.610	81.40112
31	CHE	Switzerland		Europe	2013	1.520	82.74878
32	CHL	Chile	The	Americas		1.774	81.19793
33	CHN	China		Asia	2013	1.668	75.35302
34	CIV	Cote d'Ivoire		Africa	2013	5.063	51.20846
25	CMD	Cameroon		Africa	2013	1 781	55 0/180

34	CIV	Cote a ivoire		ATrica		5.063	51.20846
35	CMR	Cameroon		Africa		4.781	55.04180
36	COD	Congo, Dem. Rep.		Africa		6.103	58.27193
37	COG	Congo, Rep.		Africa		4.919	61.66639
38	COL	Colombia	The .			1.922	73.80973
39	COM	Comoros		Africa		4.560	62.93217
40	CPV	Cabo Verde		Africa		2.339	72.97237
41	CRI	Costa Rica				1.841	79.22522
42	CUB	Cuba	The	Americas		1.622	79.25639
43	CYP	Cyprus		Europe	2013	1.455	79.94978
44	CZE	Czech Republic		Europe		1.450	78.27805
45	DEU	Germany		Europe	2013	1.380	81.04390
46	DJI	Djibouti		Africa	2013	3.262	61.68646
47	DNK	Denmark		Europe	2013	1.730	80.30244
48	DOM	Dominican Republic	The	Americas	2013	2.510	73.31990
49	DZA	Algeria		Africa	2013	2.893	74.56895
50	ECU	Ecuador	The	Americas	2013	2.571	75.64851
51	EGY	Egypt, Arab Rep.		Africa	2013	3.336	70.92578
52	ERI	Eritrea		Africa	2013	4.363	63.17788
53	ESP	Spain		Europe	2013	1.320	82.42683
54	EST	Estonia.		Europe	2013	1.560	76.42439
55	ETH	Ethiopia		Africa	2013	4.517	63.44220
56	FIN	Finland		Europe	2013	1.800	80.83171
57	FJI	Fiji		Oceania	2013	2.589	69.91793
58	FRA	France		Europe	2013	2.010	81.96829
59	FSM	Micronesia. Fed. Sts.		oceania		3,294	68.97339
60	GAB	Gabon		Africa	2013	3.963	63.84359
61	GBR	United Kingdom		Europe	2013	1.920	80.95610
62	GEO	Georgia		Asia		1.817	74.07951
63	GHA	Ghana		Africa		4.209	61.14207
64	GIN	Guinea		Africa		5.094	58.21649
65	GMB	Gambia, The		Africa		5.751	59.99927
66	GNB	Guinea-Bissau		Africa		4.906	54.83841
67	GNQ	Equatorial Guinea		Africa		4.924	57.29083
68	GRC	Greece		Europe		1.290	80.63415
69	GRD			Americas		2.171	73.19356
70	GTM	Guatemala				3.263	71.48639
71	GIM	Guaremara		Oceania		2 406	78 87751





70	GIM	wnioads/ /~/ Guatemala	ine Americas	2013	3.203	/1.48639
71	GUM	Guam			2.406	78.87251
72	GUY	Guyana	The Americas	2013	2.585	66.31002
73	HKG	Hong Kong SAR, China	Asia	2013	1.124	83.83171
74	HND		The Americas		2.442	72.94285
75	HRV	Croatia		2013	1.510	77.12683
76	HTT		The Americas		3.098	62.40115
7	HUN	Hungary			1.340	75.26829
8	IDN	Indonesia			2.484	68.70461
79	IND					67.66041
		India	Asia		2.465	
30	IRL	Ireland	Europe	2013	2.010	81.04390
31	IRN	Iran, Islamic Rep.			1.726	75.12598
32	IRQ	Iraq	Middle East		4.026	69.47168
33	ISL	Iceland	Europe		2.040	83.11707
34	ITA	Italy	Europe		1.430	82.29024
35	JAM		The Americas		2.260	73.46893
36	JOR	Jordan	Middle East	2013	3.244	73.90141
37	JPN	Japan	Asia	2013	1.430	83.33195
38	KAZ	Kazakhstan		2013	2.640	70.45000
39	KEN	Kenya		2013	4.406	60.95378
90	KGZ	Kyrgyz Republic	Asia		3.200	70.20244
91	KHM	Cambodia			2.683	67.77205
92	KIR	Kiribati			3.765	65.76659
93	KOR	Korea, Rep.	Asia		1.187	81.45976
94	KWT				2.600	74.46276
			Middle East	2013		
95	LAO	Lao PDR	Asia .		3.063	65.68724
96	LBN		Middle East		1.495	80.12888
97	LBR	Liberia		2013	4.793	60.52039
98	LBY	Libya			2.507	71.65768
99	LCA		The Americas		1.913	74.91271
L00	LKA	Sri Lanka		2013	2.339	74.24029
L01	LS0	Lesotho	Africa	2013	3.222	49.33146
.02	LTU	Lithuania	Europe	2013	1.600	74.16341
.03	LUX	Luxembourg	Europe	2013	1.570	81.79756
104	LVA	Latvia	Europe	2013	1.440	73.98049
L05	MAC	Macao SAR, China	Asia	2013	1.204	80.33915
L06	MAR	Morocco	Africa		2.535	73.70905
107	MDA	Moldova	Eurone	2013	1 456	68 81151
	MAK	Morocco		2013	2.535	/3./090
L07	MDA	Moldova	Europe	2013	1.456	68.8115
L07 L08	MDA MDG	Moldova Madagascar	Europe Africa	2013 2013	1.456 4.468	68.8115 64.6739
L07 L08 L09	MDA	Moldova Madagascar Maldives	Europe Africa Asia	2013 2013 2013	1.456 4.468 2.152	68.8115 64.6739 76.6026
L07 L08 L09	MDA MDG	Moldova Madagascar Maldives	Europe Africa	2013 2013 2013	1.456 4.468	68.8115 64.6739 76.6026
L07 L08 L09 L10	MDA MDG MDV	Moldova Madagascar Maldives	Europe Africa Asia The Americas	2013 2013 2013 2013	1.456 4.468 2.152	68.8115 64.6739 76.6026 76.5326
L07 L08 L09 L10 L11	MDA MDG MDV MEX	Moldova Madagascar Maldives Mexico	Europe Africa Asia The Americas Europe	2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272	68.8115 64.6739 76.6026 76.5326 75.1870
L07 L08 L09 L10 L11 L12	MDA MDG MDV MEX MKD MLI	Moldova Madagascar Maldives Mexico Macedonia, FyR Mali	Europe Africa Asia The Americas Europe Africa	2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314	68.8115 64.6739 76.6026 76.5326 75.1870 57.5352
107 108 109 110 111 112	MDA MDG MDV MEX MKD	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta	Europe Africa Asia The Americas Europe Africa Europe	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430	68.8115 64.6739 76.6026 76.5326 75.1870 57.5352 80.7463
L07 L08 L09 L10 L11 L12 L13	MDA MDG MDV MEX MKD MLI MLT MMR	Moldova Madagascar Maldives Mexico Macedonia, FYR Malia Myanmar	Europe Africa Asia The Americas Europe Africa Europe Asia	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239	68.8115 64.6739 76.6026 76.5326 75.1870 57.5352 80.7463 65.6541
107 108 109 110 111 112 113 114	MDA MDG MDV MEX MKD MLI MLT MMR MNE	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro	Europe Africa Asia The Americas Europe Africa Europe Asia Europe	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666	68.8115 64.6739 76.6026 76.5326 75.1870 57.5352 80.7463 65.6541 74.7583
107 108 109 110 111 112 113 114 115	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia	Europe Africa Asia The Americas Europe Africa Europe Asia Europe Asia	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657	68.811 64.673 76.6026 76.5326 75.1870 57.535 80.746 65.6541 74.758 69.0618
107 108 109 110 111 112 113 114 115 116	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mozambique	Europe Africa Asia The Americas Europe Africa Europe Asia Africa	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418	68.811 64.673 76.6026 76.5326 75.1870 57.5352 80.7463 65.6541 74.7583 69.0618 54.6415
107 108 109 110 111 112 113 114 115 116 117	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNE MNG MOZ MRT	Moldova Madagascar Maldives Mexico Macedonia, FYR Malta Malta Myanmar Montenegro Mongolia Mauritania	Europe Africa Asia The Americas Europe Africa Europe Asia Africa Africa	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662	68.811 64.673 76.6026 76.5326 75.1870 57.5352 80.7463 65.6541 74.758 69.0618 54.641
107 108 109 110 111 112 113 114 115 116 117 118	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS	Moldova Madagascar Maldives Mexico Malouedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritius	Europe Africa Asia The Americas Europe Africa Europe Asia Africa Africa	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662	68.811: 64.6739 76.6026 76.5326 75.1870 57.5352 80.7463 65.6543 74.7583 69.0618 54.6415 62.8027 74.4600
107 108 109 110 111 112 113 114 115 116 117 118 119	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNE MNG MOZ MRT MUS MWI	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritusia	Europe Africa Asia The Americas Europe Africa Europe Asia Europe Asia Africa Africa Africa Africa	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220	68.811: 64.6739 76.6026 76.5326 75.1870 57.5352 80.7463 65.6541 74.7583 69.0618 54.641: 62.8027 74.4600 61.4660
.07 .08 .09 .10 .11 .12 .13 .14 .15 .16 .17 .18 .19 .20 .21	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS MWS MWS	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritius Malawi	Europe Africa Asia The Americas Europe Asia Europe Asia Africa	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956	68.811: 64.6739 76.6026 75.1870 57.5352 80.7463 65.6541 74.7583 69.0618 54.641: 62.8027 74.4600 61.4660 74.567
.07 .08 .09 .10 .11 .12 .13 .14 .15 .16 .17 .18 .19 .20 .20 .21	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS MWI MYS NAM	Moldova Madagascar Maldives Mexico Macedonia, FYR Malia Myanmar Montenegro Mongolia Mozambique Mauritania Malawi Malawi	Europe Africa Asia The Americas Europe Africa Europe Asia Europe Asia Africa Africa Africa Africa Africa Africa Africa	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560	68.811: 64.6739 76.5326 75.1870 57.5352 80.746: 65.6541 74.758: 69.0618 54.641: 62.8027 74.4600 61.4660 64.3438
.07 .08 .09 .10 .11 .12 .13 .14 .15 .16 .17 .17 .18 .19 .20 .21 .22 .22	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS MWI MYS NAM NCL	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mauritania Mauritius Malawi Malawia Namibia	Europe Africa Asia The Americas Europe Africa Europe Asia Africa Africa Africa Africa Africa Africa Africa Oceania	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280	68. 811: 64. 6739 76. 6020 76. 5320 75. 1870 57. 5352 80. 7463 65. 6541 74. 7583 69. 0618 54. 641: 62. 8027 74. 4600 61. 4660 74. 5673 64. 3438 77. 1219
07 08 09 110 111 112 113 114 115 116 117 118 220 221 222 223 224	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS MWI MYS NAM	Moldova Madagascar Maldives Mexico Macedonia, FYR Malia Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritius Malawi Malawi Malaysia New Caledonia	Europe Africa The Americas Europe Africa Europe Asia Africa	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623	68. 811: 64. 673; 76. 602(76. 532(75. 187(57. 535); 80. 745; 69. 0618: 69. 0618; 64. 641: 62. 802; 74. 466(74. 567: 64. 343; 77. 1219; 60. 828]
07 08 09 110 111 112 113 114 115 116 117 118 220 221 222 223 224	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS MWI MYS NAM NCL	Moldova Madagascar Maldives Mexico Macedonia, FYR Malia Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritius Malawi Malawi Malaysia New Caledonia	Europe Africa The Americas Europe Africa Europe Asia Africa	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623 5.707	68. 811: 64. 673; 76. 602(76. 532(75. 187(57. 535); 80. 745; 69. 0618: 69. 0618; 64. 641: 62. 802; 74. 466(74. 567: 64. 343; 77. 1219; 60. 828]
.07 .08 .09 .10 .11 .12 .13 .14 .15 .16 .17 .18 .19 .20 .21 .22 .23	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOS MRT MUS MWI MYS NAM NCL NER	Moldova Madagascar Maldives Mexico Macedonia, FYR Malia Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritius Malawi Malawi Malaysia New Caledonia	Europe Africa Asia The Americas Europe Africa Europe Asia Africa The Americas	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623 5.707	68. 811: 64. 673: 76. 602(2 76. 532(2 75. 187(5): 57. 535; 80. 746: 65. 654: 74. 758: 69. 0618: 54. 641: 662. 8022; 74. 460(61. 466(7): 64. 3438; 77. 121: 60. 8281; 52. 442:
.07 .08 .09 .10 .11 .12 .13 .14 .15 .16 .17 .18 .19 .20 .21 .22 .23 .24	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MUZ MRT MUS MWI MYS NAM NCL NER NGA	Moldova Madagascar Maldives Mexico Macedonia, FYR Malia Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritius Malawi Malawi Malaysia New Caledonia	Europe Africa Asia The Americas Europe Africa Europe Asia Africa The Americas	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623 5.707 2.300	68. 811: 64. 673: 76. 602(76. 532(75. 187; 187; 187; 187; 187; 187; 187; 187;
07 08 09 10 11 11 11 11 115 116 117 118 119 220 221 222 223 224 225	MDA MDG MDV MEX MKD MLI MLT MMR MNG MOZ MRT MUS MWI MYS NAM NCL NER NGA NIC	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mozambique Mauritius Malaysia Namibia New Caledonia Niger Nigeria Nicaragua Netherlands	Europe Africa Asia The Americas Europe Asia Europe Asia Africa The Americas Europe	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623 5.707	68. 811: 64. 6732 76. 602(76. 532(75. 1870) 75. 535(80. 746: 65. 654) 74. 758: 69. 0618 54. 4600 61. 4600 828: 52. 4421 74. 5147 81. 1048
07 08 009 10 11 11 11 11 11 15 16 11 17 118 20 21 22 22 23 24 25 26	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS NAM NCL NER NGA NIC NLD	Moldova Madagascan Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolique Mauritania Mauritania Malawi Malawi Malaysia New Caledonia Niger Nigeria Nicaragua Netherlands Norway	Europe Africa Asia The Americas Europe Africa Europe Asia Europe Asia Africa Africa Africa Africa Africa Africa Africa The Americas Europe	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623 5.707 2.300 1.720 1.850	68. 811: 64. 673: 76. 602(2) 76. 532(76. 532(75. 535) 80. 746: 65. 6541 74. 758: 69. 0618: 54. 641: 62. 802: 74. 466(74. 567: 60. 828: 52. 442: 74. 514: 81. 1048: 81. 451: 1048: 811: 1048: 811: 1048: 811: 1048: 811: 1048: 811: 1048: 811: 1048: 811: 1048: 811: 1048: 811: 1048:
07 08 09 10 11 11 112 13 14 15 16 17 18 19 22 22 22 22 24 25 26 27	MDA MDG MDV MEX MKD MLI MLT MMR MNG MOZ MRT MUS MWI MYS NAM NCL NER NGA NIC NLD NOR NPL	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mauritania Mauritania Mauritius Malaysia Namibia New Caledonia Niger Nigeria Nicaragua Netherlands Nepal	Europe Africa Asia The Americas Europe Africa Europe Asia Africa Africa Africa Africa Africa Africa Africa The Americas Europe Asia Africa Africa Africa Africa Africa Africa	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623 5.707 2.300 1.720 1.850 2.292	68. 811: 64. 673: 76. 602: 76. 532(75. 1870: 875. 1870: 875. 1870: 874. 758: 80. 746: 65. 654: 641: 62. 802: 74. 460: 61. 460: 74. 567: 64. 343: 774. 514: 81. 1044: 81. 4512: 69. 222
.07 .08 .09 .10 .11 .12 .13 .14 .15 .17 .18 .19 .20 .21 .22 .23 .24 .25 .26 .27 .28	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS NAM NCL NER NGA NIC NLD NOR NPL NZL	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mozambique Mauritania Malwi Malawi Malawi Malaysia New Caledonia Niger Nigeria Nicaragua Netherlands Norway Nepal New Zealand	Europe Africa Asia The Americas Europe Africa Europe Asia Africa Africa Africa Africa Africa Africa Africa Africa Frica Africa Africa Europe Asia Africa Oceania Europe Europe Asia Oceania	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 2.280 7.623 5.707 2.300 1.720 1.850 2.292 1.950	68. 8111 64. 6732 76. 6026 76. 5326 75. 1870 57. 5332 80. 746: 65. 6541 74. 7583 69. 0618 54. 4612 62. 8027 74. 4600 61. 4667 64. 3438 77. 1212 60. 8282 52. 4421 74. 5147 81. 1048 81. 4512 69. 2226
07 08 009 10 11 11 11 11 11 11 11 11 11 11 11 11	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS MWI MYS NAM NCL NER NGA NIC NLD NOR NPL NZL OMN	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mauritania Mauritania Mauritius Malawi Malawi Alaysia New Caledonia Niger Nigeria Nicaragua Netherlands Norway Nepal New Zealad	Europe Africa Asia The Americas Europe Africa Europe Asia Europe Asia Africa Africa Africa Africa Africa Africa The Americas Europe Asia Africa Africa Africa Africa Oceania Cocania Oceania	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623 5.707 2.300 1.720 1.720 1.950 2.292 1.950 2.292	68. 8119 64. 6739 76. 6026 76. 5326 75. 1877 57. 5352 80. 746. 665. 6544 74. 7583 69. 0618 65. 6644 74. 7583 69. 0618 66. 4641 74. 7583 69. 0618 60. 8281 52. 4421 74. 5147 81. 1048 81. 4512 69. 2226 81. 4073 76. 8416
.07 .08 .09 .10 .111 .112 .113 .114 .115 .116 .117 .118 .119 .220 .221 .222 .224 .225 .227 .228 .229 .330	MDA MDG MDV MEX MKD MLI MLT MMR MNG MOZ MRT MUS MWS NAM NCL NER NGA NIC NLD NOR NPL NZL OMN PAK	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritius Malaysia Namibia New Caledonia Nigeria Nigeria Nicaragua Netherlands New Zealand Oman Pakistan	Europe Africa Asia The Americas Europe Africa Europe Asia Africa Africa Africa Africa Africa Africa Africa Africa Coeania Africa Africa Oceania Africa Afric	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623 5.707 2.300 1.720 1.850 2.292 1.950 2.823 3.682	68. 8111 64. 6732 76. 6026 76. 5326 75. 1870 75. 1870 65. 6541 641, 746 62. 8027 74. 4660 74. 567: 64. 3438 74. 568 69. 2020 74. 4606 74. 567: 64. 3438 74. 5147 81. 1048 81. 4512 69. 2220 81. 407 76. 8410 65. 65. 65.
.07 .08 .09 .10 .11 .11 .12 .13 .14 .15 .16 .17 .18 .19 .20 .21 .22 .23 .22 .24 .22 .23 .24 .25 .26 .27 .28 .29 .33 .33	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS MWI MYS NAM NCL NER NGA NIC NLD NOR NPL NZL OMN PAK PAN	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolique Mauritania Mauritania Malawi Malaysia New Caledonia Niger Nicaragua Netherlands Norway Nepal New Zealand Oman Pakistan	Europe Africa Asia The Americas Europe Africa Europe Asia Europe Asia Africa Africa Africa Africa Africa Africa Frica Africa Africa Coeania Africa The Americas	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 2.280 7.623 5.707 2.300 1.720 1.850 2.292 1.950 2.823 3.682 2.465	68. 8119 64. 6739 76. 6022 76. 5326 76. 5326 75. 5352 80. 746: 65. 6541 74. 758: 69. 0618 62. 4600 61. 4660 74. 567: 60. 8281 75. 4421 74. 5147 81. 1048 81. 1048 81. 1048 81. 4512 69. 2220 81. 4077 76. 8411 65. 9636 77. 17. 119
.07 .08 .09 .10 .11 .11 .11 .13 .14 .15 .16 .17 .18 .19 .20 .21 .22 .22 .22 .22 .22 .22 .22 .23 .24 .25 .26 .27 .33 .33 .33 .33	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS NAM NCL NER NGA NIC NLD NOR NPL NZL OMN PAK PAN PER	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritius Malawi Malawi Malawi Malawi New Caledonia Niger Nigeria	Europe Africa Asia The Americas Europe Asia Europe Asia Europe Asia Africa Africa Africa Africa Africa Africa Africa Coeania Africa The Americas The Americas The Americas	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623 5.707 2.300 1.720	68. 8111 64. 672 76. 6026 76. 5326 75. 1877 57. 1877 80. 746. 65. 6541 74. 7583 69. 0618 61. 4660 74. 567 64. 3438 77. 4460 74. 567 64. 567 64. 567 64. 567 64. 567 64. 567 64. 567 65. 6541 66. 6541 66. 6541 67. 1218 66. 6541 67. 1218 67.
107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 127 128 129 130 131 131 132 133 133 134	MDA MDG MDV MEX MKD MLI MLT MMR MNG MOZ MRT MUS MWI MYS NAM NCL NER NGA NIC NLD NOR NPL NZL OMN PAK PAN PER PHL	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritius Malayia Namibia New Caledonia Niger Nigeria Nicaragua Netherlands Norway Nepal New Zealand Omman Pakistan Panama Paru	Europe Africa Asia The Americas Europe Asia Europe Asia Africa Africa Africa Africa Africa Africa Africa Africa Africa Ceania Africa Africa Oceania Africa Asia The Americas The Americas Asia	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623 5.707 2.300 1.720 1.850 2.292 1.950 2.823 3.682 2.465 2.480 3.011	68. 8111 64. 6732 76. 6026 76. 5326 75. 1870 57. 5352 80. 746. 65. 6541 641. 65. 6541 641. 62. 8027 74. 4606 674. 5673 64. 3438 74. 5147 81. 1048 81. 4512 69. 2222 81. 407 76. 8410 69. 2222 81. 407 76. 8410 68. 1315
.07 .08 .09 .10 .11 .11 .11 .11 .15 .16 .17 .18 .17 .18 .19 .20 .21 .22 .23 .24 .25 .26 .27 .28 .29 .31 .33 .33 .33 .34	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS MWI MYS NAM NCL NER NGA NIC NLD NOR NPL NZL OMN PAK PAN PER PHL PNG	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mauritania Mauritania Mauritius Malawi Malaysia New Caledonia Niger Nigeria Nicaragua Netherlands Norway Nepal New Zealand Oman Pakistan Panama Peru Philippines Papua New Guires	Europe Africa Asia The Americas Europe Africa Europe Asia Europe Asia Africa Africa Africa Africa Africa Africa Africa Coeania Africa Africa Oceania Africa Oceania	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 2.280 7.623 5.707 2.300 1.720 1.850 2.282 1.850 2.282 2.485 2.480 3.011 3.812	68. 8119 64. 6739 76. 6022 76. 5326 75. 5352 80. 746: 65. 6541 74. 758: 69. 0618 662. 8027 74. 4660 61. 4667 64. 3443 77. 1219 60. 8281 52. 4421 74. 5147 81. 1048 81. 4051 69. 2220 81. 4077 76. 8410 65. 9638 77. 419 74. 2838 68. 1319 662. 499
107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 122 122 122 122 122 123 124 125 127 128 129 130 131 132 133 133 133 133 133 133 133 133	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS NAM NCL NER NGA NIC NLD NOR NPL NZL OMN PAK PAN PER PHL PNG POL	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritius Malawi Malawi Malawi Malawiea New Caledonia Niger Nigeria Nigeria Nigeria Nigeria New Caledonia Parama Netherlands Norway Nepal New Zealand Panama Parama Parama Peru Philippines Papua New Guinea	Europe Africa Asia The Americas Europe Africa Europe Asia Europe Asia Africa Africa Africa Africa Africa Africa Africa Coeania Africa Africa Africa Africa The Americas Europe Europe Asia Oceania Middle East Asia The Americas The Americas Asia Coeania Europe Asia Oceania	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 3.560 2.280 7.623 5.707 2.300 1.720 1.850 2.292 1.950	68. 8111 64. 672 76. 6026 76. 5326 75. 1877 80. 746: 65. 6541 64. 6411 62. 8027 74. 4600 61. 4660 74. 567; 64. 3438 77. 450 81. 4512 69. 2220 81. 407 77. 4192 74. 283 68. 1311 62. 4491 76. 8487
107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 122 122 122 122 122 123 124 125 127 128 129 130 131 132 133 133 133 133 133 133 133 133	MDA MDG MDV MEX MKD MLI MLT MMR MNE MNG MOZ MRT MUS MWI MYS NAM NCL NER NGA NIC NLD NOR NPL NZL OMN PAK PAN PER PHL PNG	Moldova Madagascar Maldives Mexico Macedonia, FYR Mali Malta Myanmar Montenegro Mongolia Mozambique Mauritania Mauritius Malawi Malawi Malawi Malawiea New Caledonia Niger Nigeria Nigeria Nigeria Nigeria New Caledonia Parama Netherlands Norway Nepal New Zealand Panama Parama Parama Peru Philippines Papua New Guinea	Europe Africa Asia The Americas Europe Africa Europe Asia Europe Asia Africa Africa Africa Africa Africa Africa Africa Coeania Africa Africa Oceania Africa Oceania	2013 2013 2013 2013 2013 2013 2013 2013	1.456 4.468 2.152 2.272 1.511 6.314 1.430 2.239 1.666 2.657 5.418 4.662 1.440 5.220 1.956 2.280 7.623 5.707 2.300 1.720 1.850 2.282 1.850 2.282 2.485 2.480 3.011 3.812	68. 8111 64. 672 76. 6026 76. 5326 75. 1877 80. 746: 65. 6541 64. 6411 62. 8027 74. 4600 61. 4660 74. 567; 64. 3438 77. 450 81. 4512 69. 2220 81. 407 77. 4192 74. 283 68. 1311 62. 4491 76. 8487
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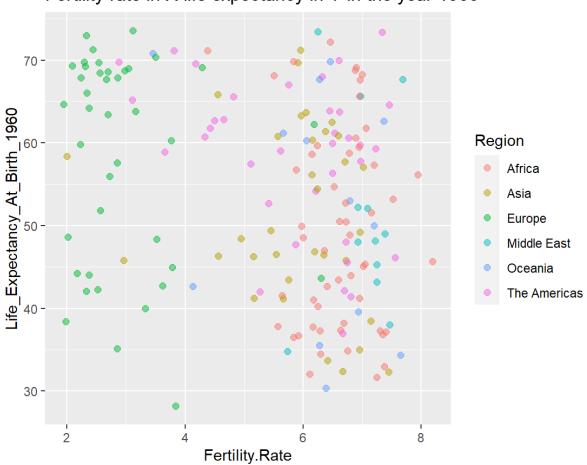


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136	PNG	Papua New Guinea			3.812	62.44917
137	POL	Poland	Europe	2013	1.300	76.84878
138	PRI	Puerto Rico	The Americas	2013	1.636	78.71120
139	PRT	Portugal	Europe	2013	1.280	80.37317
140	PRY	Paraguay	The Americas	2013	2.581	72.79917
141	PYF	French Polynésia			2.059	76.33407
142	QAT	Qatar	Middle East	2013	2.043	78.41849
143	ROU	Romania	Europe	2013	1.530	74.46341
144	RUS	Russian Federation	Europe	2013	1.700	71.07317
145	RWA	Rwanda	Africa	2013	4.012	63.39483
146	SAU	Saudi Arabia	Middle East	2013	2.818	74.17763
147	SDN	Sudan	Africa	2013	4.421	63.16705
148	SEN	Senegal	Africa	2013	5.134	65.87876
149	SGP	Singapore	Asia	2013	1.190	82.34634
150	SLB	Solomon Islands	Oceania	2013	4.031	67.71893
151	SLE	Sierra Leone	Africa	2013	4.746	50.36312
152	SLV	El Salvador	The Americas	2013	1.958	72.49815
153	SOM	Somalia	Africa	2013	6.565	55.02302
154	SSD	South Sudan	Africa	2013	5.108	55.22090
155	STP	Sao Tome and Principe	Africa	2013	4.634	66.25951
156	SUR	Suriname	The Americas	2013	2.386	70.99000
157	5VK	Slovak Republic	Europe	2013	1.340	76.26098
158	SVN	Slovenia			1.580	80.27805
159	SWE	Sweden	Europe	2013	1.910	81.70488
160	SWZ	Swaziland	Africa	2013	3.334	48.93793
161	SYR	Syrian Arab Republic	Middle East	2013	2.964	74.71578
162	TCD	Chad	Africa	2013	6.264	51.19149
163	TGO	Togo	Africa	2013	4.655	59.13237
164	THA	Thailand	Asia	2013	1.524	74.24693
165	TJK	Tajikistan	Asia	2013	3.514	69.40017
166	TKM	Turkmenistan		2013	2.326	65.45656
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#plots // Gráficas #Year 1960

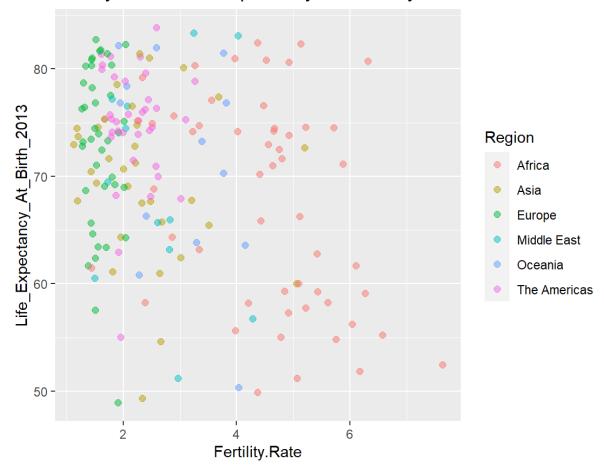
Fertility rate in X life expectancy in Y in the year 1960





#Year 2013

Fertility rate in X life expectancy in Y in the year 2013





Conclusión:

Alicia Pérez: With this evaluative practice I learned a little more about data management in Rstudio, since I had not handled it completely, I find it interesting how it makes the graphs and also the coding is not very complicated.

Erwin Howard:

I found the question of comparing both the years 1930 and 2013 interesting and checking that the rate of fertility and life expectancy changes over the years, in a matter of "R" it is not so complicated to understand how it works and it is interesting how do you do the graphs

GitHub:

https://github.com/Aliciap26/MINERIA-DATOS/tree/Unit-1/Evaluation

Video: https://youtu.be/30YhQbGTxz8