Technical sheet

Rename the column names.

```
ALTER TABLE `WBR`.`ESG`
CHANGE COLUMN `Country Name` `country_name` TEXT NULL DEFAULT NULL ,
CHANGE COLUMN `Country Code` `country_code` TEXT NULL DEFAULT NULL ,
CHANGE COLUMN `Series Name` `series_name` TEXT NULL DEFAULT NULL ,
CHANGE COLUMN `Series Code` `series_code` TEXT NULL DEFAULT NULL ,
CHANGE COLUMN `2013` `year_2013` DOUBLE NULL DEFAULT NULL ,
CHANGE COLUMN `2014` `year_2014` DOUBLE NULL DEFAULT NULL ,
CHANGE COLUMN `2015` `year_2015` DOUBLE NULL DEFAULT NULL ,
CHANGE COLUMN `2016` `year_2016` DOUBLE NULL DEFAULT NULL ,
CHANGE COLUMN `2017` `year_2017` DOUBLE NULL DEFAULT NULL ,
CHANGE COLUMN `2018` `year_2018` DOUBLE NULL DEFAULT NULL ,
CHANGE COLUMN `2019` `year_2019` DOUBLE NULL DEFAULT NULL ,
CHANGE COLUMN `2020` `year_2020` DOUBLE NULL DEFAULT NULL ,
CHANGE COLUMN `2021` `year_2021` TEXT NULL DEFAULT NULL ,
CHANGE COLUMN `2050` `year_2050` TEXT NULL DEFAULT NULL ;
```

country_name	country_code	series_name	series_code	year_2013	year_2014	year_2015
Afghanistan	AFG	Access to clean fuels and technologies for cooki...	EG.CFT.ACCS.ZS	24.8	26.1	27.4
Afghanistan	AFG	Access to electricity (% of population)	EG.ELC.ACCS.ZS	68.2906494140625	89.5	71.5
Afghanistan	AFG	Adjusted savings: natural resources depletion (...	NY.ADJ.DRES.GN.ZS	0.289482199333597	0.288231474992077	0.29524233685244
Afghanistan	AFG	Adjusted savings: net forest depletion (% of GNI)	NY.ADJ.DFOR.GN.ZS	0.21375018912259	0.2171304067401	0.243271589310412
Afghanistan	AFG	Agricultural land (% of land area)	AG.LND.AGRI.ZS	58.123668031216	58.123668031216	58.123668031216
Afghanistan	AFG	Agriculture, forestry, and fishing, value added (...	NV.AGR.TOTL.ZS	22.8106627361766	22.1370413719574	20.6343227166798
Afghanistan	AFG	Control of Corruption: Estimate	CC.EST	-1.44590842723846	-1.36474287509918	-1.3485871553421
Afghanistan	AFG	Fertility rate, total (births per woman)	SP.DYN.TFRT.IN	5.696	5.56	5.405
Afghanistan	AFG	Food production index (2014-2016 = 100)	AG.PRD.FOOD.XD	94.29	101.67	95.99
Afghanistan	AFG	Forest area (% of land area)	AG.LND.FRST.ZS	1.85278199408184	1.85278199408184	1.85278199408184
Afghanistan	AFG	GDP growth (annual %)	NY.GDP.MKTP.KD.ZG	5.60074465808154	2.72454336394854	1.45131466009755
Afghanistan	AFG	Government Effectiveness: Estimate	GE.EST	-1.4007453918457	-1.36231827735901	-1.35180771350861

Control of Corruption captures perceptions of the extent to which public power is exercised for private gain, including both petty and grand forms of corruption, as well as "capture" of the state by elites and private interests. Estimate gives the country's score on the aggregate indicator, in units of a standard normal distribution, i.e. ranging from approximately -2.5 to 2.5.
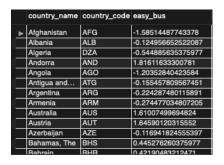
```
SELECT *
FROM WBR.ESG
WHERE series_code = 'CC.EST'
ORDER BY year_2020 DESC;
```

country_name	country_code	series_name	series_code	year_2013	year_2014	year_2015	year_2016	year_2017	year_2018	year_2019	year_2020	year_2021
Denmark	DNK	Control of Corruption: Estimate	CC.EST	2.39926409721375	2.25234031677246	2.22680330276489	2.24552083015442	2.23230719566345	2.1926851272583	2.15806865692139	2.26832699775696	2.36617517471313
Finland	FIN	Control of Corruption: Estimate	CC.EST	2.20017123222351	2.15947580337524	2.2564959526062	2.22835040092468	2.20336866378784	2.20732498168945	2.15014481544495	2.20197486877441	2.27007675170898
Singapore	SGP	Control of Corruption: Estimate	CC.EST	2.07050251960754	2.06756377220154	2.09084415435791	2.0830242633196	2.12948417663574	2.17064356803894	2.1565318107605	2.149747133255	2.1715395450592
New Zealand	NZL	Control of Corruption: Estimate	CC.EST	2.33409142494202	2.24964022636414	2.27400946617126	2.27895355224609	2.23704671859741	2.17081546783447	2.16713047027588	2.14821743965149	2.20169520378113
Sweden	SWE	Control of Corruption: Estimate	CC.EST	2.23930025100708	2.11104297637939	2.18594098091125	2.14740252494812	2.14078736305237	2.14515686035156	2.12822103500366	2.12586712837219	2.1303448677063
Norway	NOR	Control of Corruption: Estimate	CC.EST	2.2868275642395	2.2228946685791	2.24113726615906	2.19155406951904	2.2327077388634	2.08600807189941	2.07048583030701	2.0977011901855	2.14091753959656
Switzerland	CHE	Control of Corruption: Estimate	CC.EST	2.12483501434326	2.147784948349	2.13466167449951	1.98323488235474	1.98489570617676	2.00462818145752	1.98032593727112	2.0765540599823	1.98969745635986
Luxembourg	LUX	Control of Corruption: Estimate	CC.EST	2.1157751083374	2.06938242912292	2.09482145309448	2.09178042411804	1.98135709762573	2.08385586738586	2.10923075675964	2.0554020404815	1.87159085273743
Netherlands	NLD	Control of Corruption: Estimate	CC.EST	2.01678347587585	1.96069610118866	1.8723367452621	1.89864242076874	1.78449833393097	1.92383122444153	1.9028869673248	2.03107261657715	2.03564190864563
Liechtenstein	LIE	Control of Corruption: Estimate	CC.EST	1.83372759819031	2.07766795158386	2.06247878074646	2.03760623931885	2.05232286453247	2.00379323959351	1.96528291702271	1.99533319473267	1.70124065876007
Germany	DEU	Control of Corruption: Estimate	CC.EST	1.79794359207153	1.812496542936	1.81432867050171	1.82095551490784	1.83601438999176	1.93290781974792	1.90006673336029	1.85575437545776	1.8132318282855
Iceland	ISL	Control of Corruption: Estimate	CC.EST	1.90477347373962	1.82383286952972	1.93702960014343	1.94435346126556	1.833939909935	1.83969748020172	1.70483148097992	1.69718861579895	1.79059553146362

Access to electricity (% of population)
```
SELECT country_name, country_code, year_2020 AS access_to_elect
FROM WBR.ESG
WHERE series_code = 'EG.ELC.ACCS.ZS';
```

country_name	country_code	access_to_elect
Afghanistan	AFG	97.6999969482422
Albania	ALB	100
Algeria	DZA	99.8041305541992
Andorra	AND	100
Angola	AGO	46.8906097412109
Antigua and…	ATG	100
Argentina	ARG	100
Armenia	ARM	100
Australia	AUS	100
Austria	AUT	100
Azerbaijan	AZE	100
Bahamas, The	BHS	100

Ease of doing business rank (1=most business-friendly regulations)
```
SELECT country_name, country_code, year_2020 AS easy_bus
FROM WBR.ESG
WHERE series_code ='GE.EST';
```

country_name	country_code	easy_bus
Afghanistan	AFG	-1.58514487743378
Albania	ALB	-0.124956652522087
Algeria	DZA	-0.544885635375977
Andorra	AND	1.81611633300781
Angola	AGO	-1.20352840423584
Antigua and…	ATG	-0.155457809567451
Argentina	ARG	-0.224287480115891
Armenia	ARM	-0.274477034807205
Australia	AUS	1.61007499694824
Austria	AUT	1.64590120315552
Azerbaijan	AZE	-0.116941824555397
Bahamas, The	BHS	0.445276260375977
Bahrain	BHR	0.42190483212471

corrilation CC.EST / EG.ELC.ACCS.ZS
```
SELECT a.country_name, a.country_code, a.year_2020 AS 'control_of_corr', b.year_2020 AS
'access_to_electricity'
FROM WBR.ESG AS a
LEFT JOIN WBR.ESG AS b
ON a.country_name = b.country_name
WHERE  a.series_code = 'CC.EST' AND b.series_code = 'EG.ELC.ACCS.ZS';
```

country_name	country_code	control_of_corr	access_to_electri…
Afghanistan	AFG	-1.48053777217865	97.6999969482422
Albania	ALB	-0.551931083202362	100
Algeria	DZA	-0.645068347454071	99.8041305541992
Andorra	AND	1.31140065193176	100
Angola	AGO	-0.953371167182922	46.8906097412109
Antigua and…	ATG	0.271396458148956	100
Argentina	ARG	-0.140874102711678	100
Armenia	ARM	0.0202281009405851	100
Australia	AUS	1.66249871253967	100
Austria	AUT	1.50687217712402	100
Azerbaijan	AZE	-1.05708301067352	100
Bahamas, The	BHS	1.13433289527893	100
Bahrain	BHR	-0.0697314366698265	100

corrilation CC.EST / SE.XPD.TOTL.GB.ZS
SELECT a.country_name, a.country_code, ROUND(a.year_2020,4) AS 'control_of_corr',
ROUND(b.year_2020,4) AS 'government_expenditure'
FROM WBR.ESG AS a
LEFT JOIN WBR.ESG AS b
ON a.country_code = b.country_code
WHERE a.series_code = 'CC.EST' AND b.series_code = 'SE.XPD.TOTL.GB.ZS';

country_name	country_code	control_of_c...	government_expendit...
Afghanistan	AFG	-1.4805	10.2539
Albania	ALB	-0.5519	12.07
Algeria	DZA	-0.6451	16.5492
Andorra	AND	1.3114	8.9919
Angola	AGO	-0.9534	6.4672
Antigua and...	ATG	0.2714	8.9418
Argentina	ARG	-0.1409	11.9169
Armenia	ARM	0.0202	8.8278
Australia	AUS	1.6625	14.43
Austria	AUT	1.5069	8.89
Azerbaijan	AZE	-1.0571	10.5025
Bahamas, The	BHS	1.1343	11.243
Bahrain	BHR	-0.0697	9.3669

corrilation CC.EST / SI.DST.FRST.20
SELECT a.country_name, a.country_code, ROUND(a.year_2020,4) AS 'control_of_corr',
IFNULL(b.year_2020, 'N/A') AS 'income_share_held_by_lower_20%'
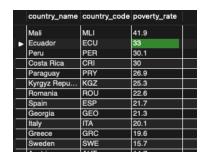FROM WBR.ESG AS a
CROSS JOIN WBR.ESG AS b
ON a.country_code = b.country_code
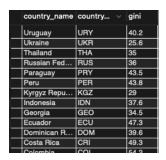WHERE a.series_code = 'CC.EST' AND b.series_code = 'SI.DST.FRST.20';

country_name	country_code	control_of_c...	income_share_held_by_lower_2...
Armenia	ARM	0.0202	10.2
Belarus	BLR	-0.1102	10.3
Bolivia	BOL	-0.8244	4.7
Brazil	BRA	-0.4071	4.5
Colombia	COL	-0.2298	2.8
Costa Rica	CRI	0.6877	4
Dominican R...	DOM	-0.7305	6.2
Ecuador	ECU	-0.4823	4.1
Georgia	GEO	0.6285	7
Indonesia	IDN	-0.4325	7.1
Kyrgyz Repu...	KGZ	-1.0996	9.4
Paraguay	PRY	-0.8381	5.3
Peru	PER	-0.5033	4.8

Poverty headcount ratio
```
SELECT country_name, country_code, year_2020 AS poverty_rate
FROM WBR.ESG
WHERE series_code = 'SI.POV.NAHC'
ORDER BY year_2020 DESC;
```

country_name	country_code	poverty_rate
Mali	MLI	41.9
▶ Ecuador	ECU	33
Peru	PER	30.1
Costa Rica	CRI	30
Paraguay	PRY	26.9
Kyrgyz Repu...	KGZ	25.3
Romania	ROU	22.6
Spain	ESP	21.7
Georgia	GEO	21.3
Italy	ITA	20.1
Greece	GRC	19.6
Sweden	SWE	15.7

GINI
```
SELECT country_name, country_code, year_2020 AS gini
FROM WBR.ESG
WHERE series_code = 'SI.POV.GINI'
ORDER BY year_2020 DESC;
```

country_name	country...	gini
Uruguay	URY	40.2
Ukraine	UKR	25.6
Thailand	THA	35
Russian Fed...	RUS	36
Paraguay	PRY	43.5
Peru	PER	43.8
Kyrgyz Repu...	KGZ	29
Indonesia	IDN	37.6
Georgia	GEO	34.5
Ecuador	ECU	47.3
Dominican R...	DOM	39.6
Costa Rica	CRI	49.3
Colombia	COL	54.2

how many countries have 100% access to electricity
```
SELECT  COUNT(a.year_2020) AS '100%', COUNT(b.year_2020) AS '<100%'
FROM WBR.ESG AS a
INNER JOIN WBR.ESG AS b
ON a.country_name = b.country_name
WHERE a.series_code = 'EG.ELC.ACCS.ZS' AND b.series_code = 'EG.ELC.ACCS.ZS' AND
a.year_2020 = 100 AND b.series_code < 100;
```

100%	<100%
104	104