

sok-2011-Seminar 2

A tibble: 6 x 6

	country	region	income	iso2c	iso3c	gdppc0
	<chr>	<chr>	<chr>	<chr>	<chr>	<dbl>
1	Aruba	Latin America & Caribbean	High income	AW	ABW	1.52e4
2	Afghanistan	South Asia	Low income	AF	AFG	3.60e2
3	Angola	Sub-Saharan Africa	Lower midd~	AO	AGO	2.66e3
4	Albania	Europe & Central Asia	Upper midd~	AL	ALB	1.74e3
5	Andorra	Europe & Central Asia	High income	AD	AND	3.44e4
6	United Arab Emirates	Middle East & North Africa	High income	AE	ARE	1.14e5

	country	region	income	iso2c	iso3c	year	gdppc
1	Aruba	Latin America & Caribbean	High income	AW	ABW	1986	15221.85
2	Aruba	Latin America & Caribbean	High income	AW	ABW	1987	17697.52
3	Aruba	Latin America & Caribbean	High income	AW	ABW	1988	21036.39
4	Aruba	Latin America & Caribbean	High income	AW	ABW	1989	23491.66
5	Aruba	Latin America & Caribbean	High income	AW	ABW	1990	24007.50
6	Aruba	Latin America & Caribbean	High income	AW	ABW	1991	25097.27

	poptot	gdppc0
1	64553	15221.85
2	64450	15221.85
3	64332	15221.85
4	64596	15221.85
5	65712	15221.85
6	67864	15221.85

	country	region	income	iso2c	iso3c	year	gdppc
1	Aruba	Latin America & Caribbean	High income	AW	ABW	1986	15221.85
2	Aruba	Latin America & Caribbean	High income	AW	ABW	1987	17697.52
3	Aruba	Latin America & Caribbean	High income	AW	ABW	1988	21036.39
4	Aruba	Latin America & Caribbean	High income	AW	ABW	1989	23491.66
5	Aruba	Latin America & Caribbean	High income	AW	ABW	1990	24007.50
6	Aruba	Latin America & Caribbean	High income	AW	ABW	1991	25097.27

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  poptot    gdppc0 gdpgrowth avg_gdpgrowth
1  64553 15221.85      NA      2.401681
2  64450 15221.85 16.263941      2.401681
3  64332 15221.85 18.866278      2.401681
4  64596 15221.85 11.671573      2.401681
5  65712 15221.85  2.195805      2.401681
6  67864 15221.85  4.539317      2.401681

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# A tibble: 6 x 10
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  country      region income iso3c iso2c  year poptot  gdppc gdppc0 avg_g~1
  <chr>      <chr>  <chr> <chr> <chr> <dbl> <dbl> <dbl> <dbl> <dbl>
1 Aruba      Latin~ High ~ ABW  AW    2019 1.06e5 31763. 1.52e4 2.40
2 Afghanistan South~ Low i~ AFG  AF    2019 3.78e7  584. 3.60e2 3.05
3 Angola     Sub-S~ Lower~ AGO  AO    2019 3.24e7 2570. 2.66e3 0.157
4 Albania    Europ~ Upper~ ALB  AL    2019 2.85e6 4543. 1.74e3 2.79
5 Andorra    Europ~ High ~ AND  AD    2019 7.63e4 39414. 3.44e4 0.389
6 United Arab Emir~ Middl~ High ~ ARE  AE    2019 9.21e6 43785. 1.14e5 -2.18
# ... with abbreviated variable name 1: avg_gdpgrowth

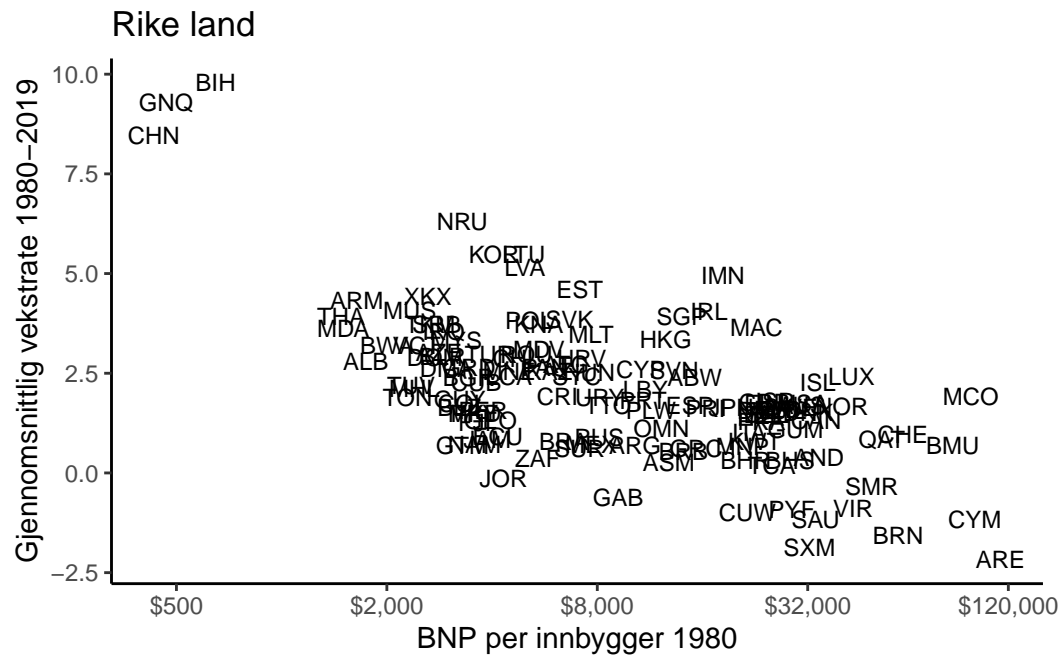
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Oppgave 1

Lag 1 graf for land i kategorien “High income” og “Upper middle income”, og en graf for alle land i verden. Grafen skal vise sammenhengen mellom BNP per innbygger i 1980 og gjennomsnittlig årlig vekstrate i BNP per innbygger i perioden 1980-2019. Ser prediksjonen fra Solow-modellen ut å være riktig?

Løsning

Graf 1: Inntekter i klassene “High income” og “Upper middle income”,



Graf 2: Alle land og alle inntektsklasser

