

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

مقدمه

اقتصاد کلان

سید علی مدنی زاده

Outline

- Economic Growth and Economic Inequality
- Business Cycles
- Inflation
- Unemployment

Economic Growth
Economic Inequality

Consumption



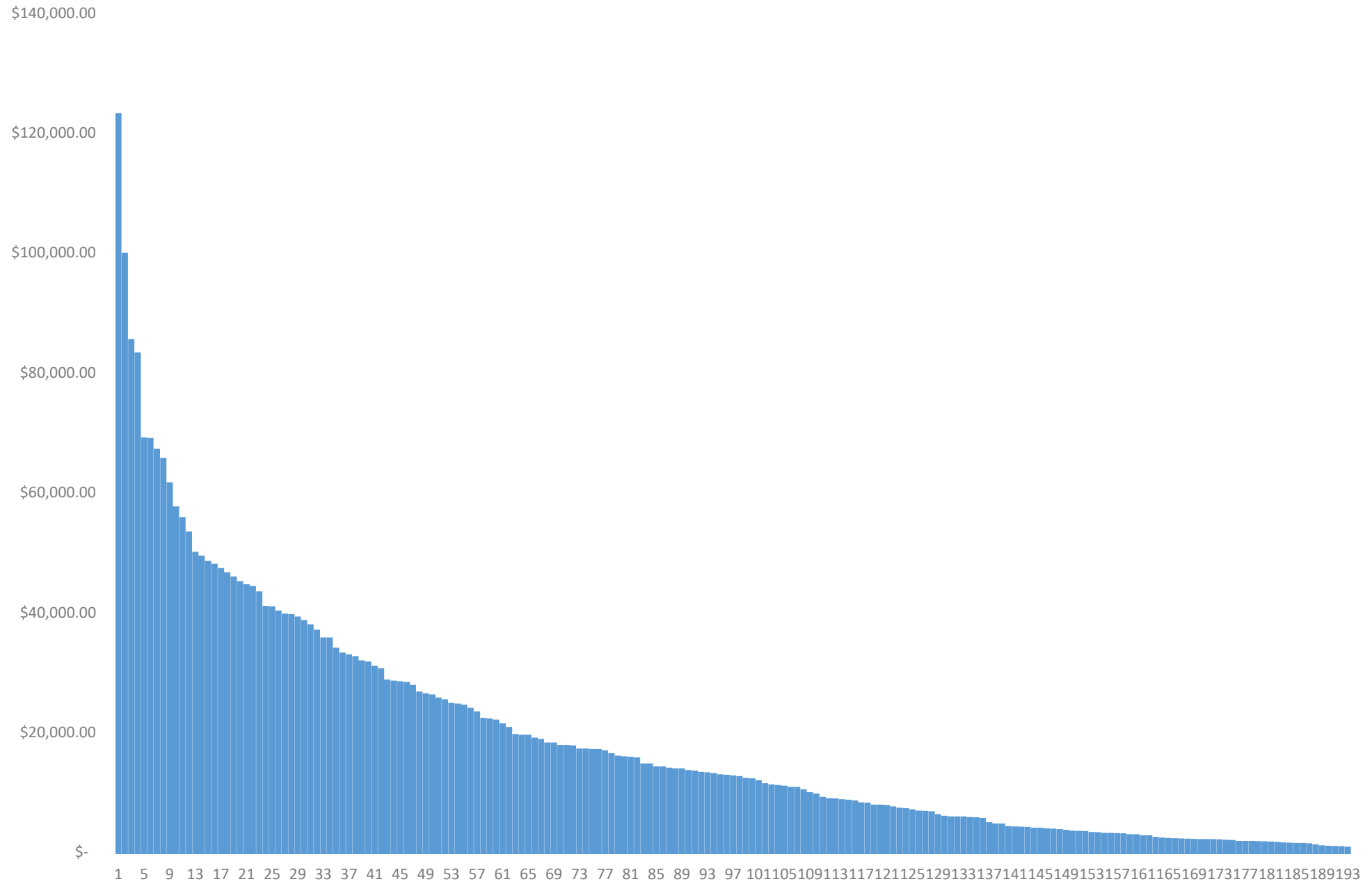
Education



Health



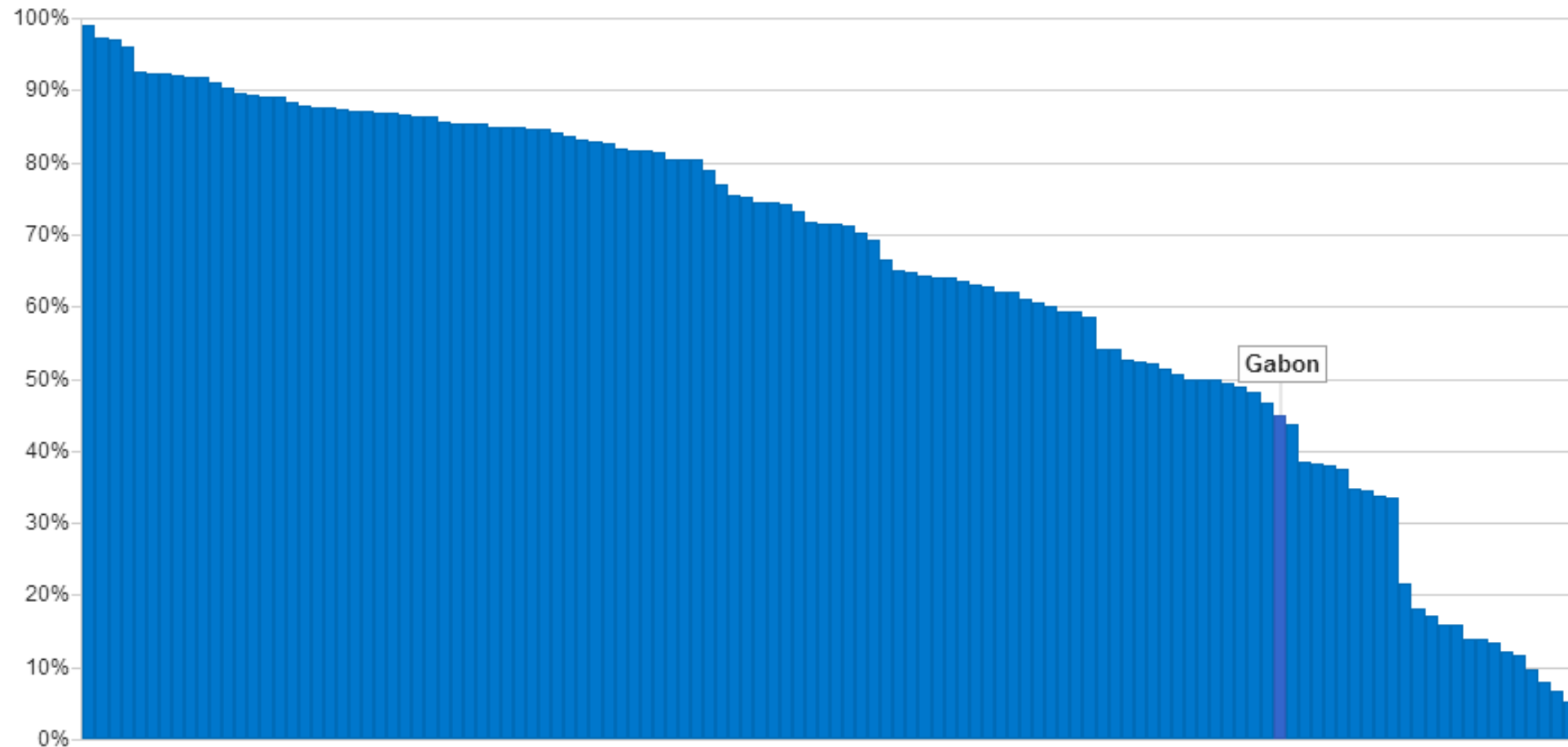
GDP Per Capita



Wages across the world

Wage workers ?

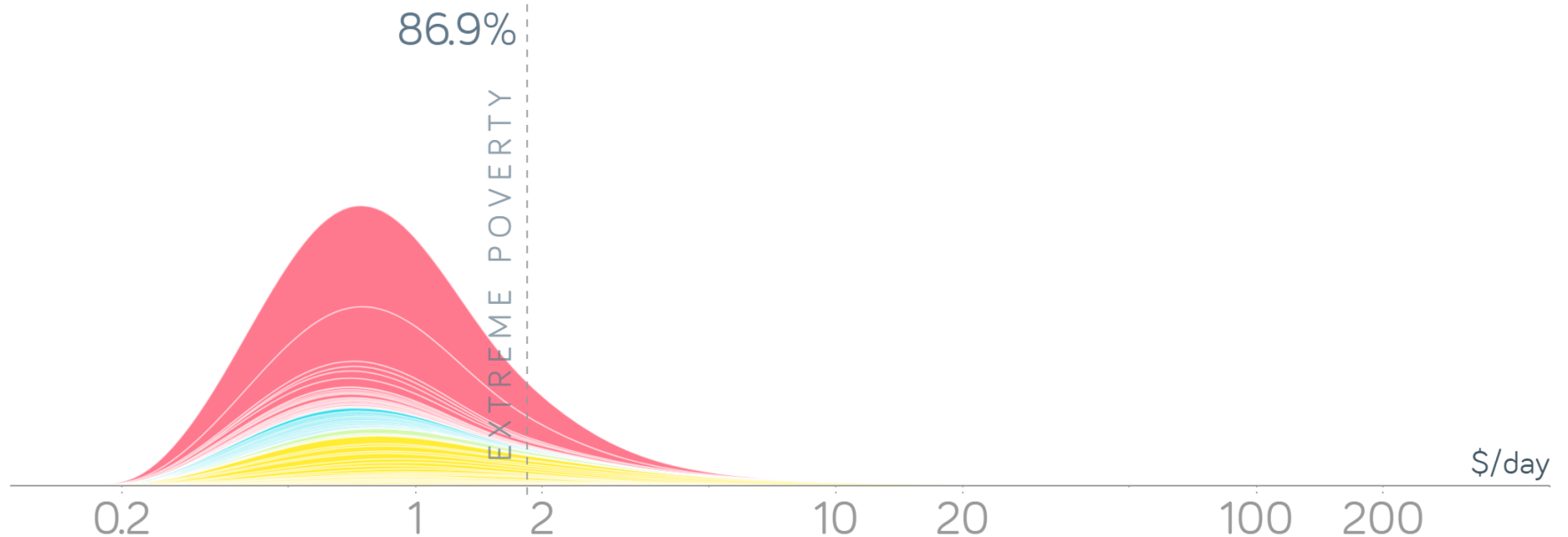
Countries - Descending order ?



INCOME LEVEL 1 ◆ LEVEL 2 ◆ LEVEL 3 ◆ LEVEL 4
Number of people by income ?

⚠ DATA DOUBTS

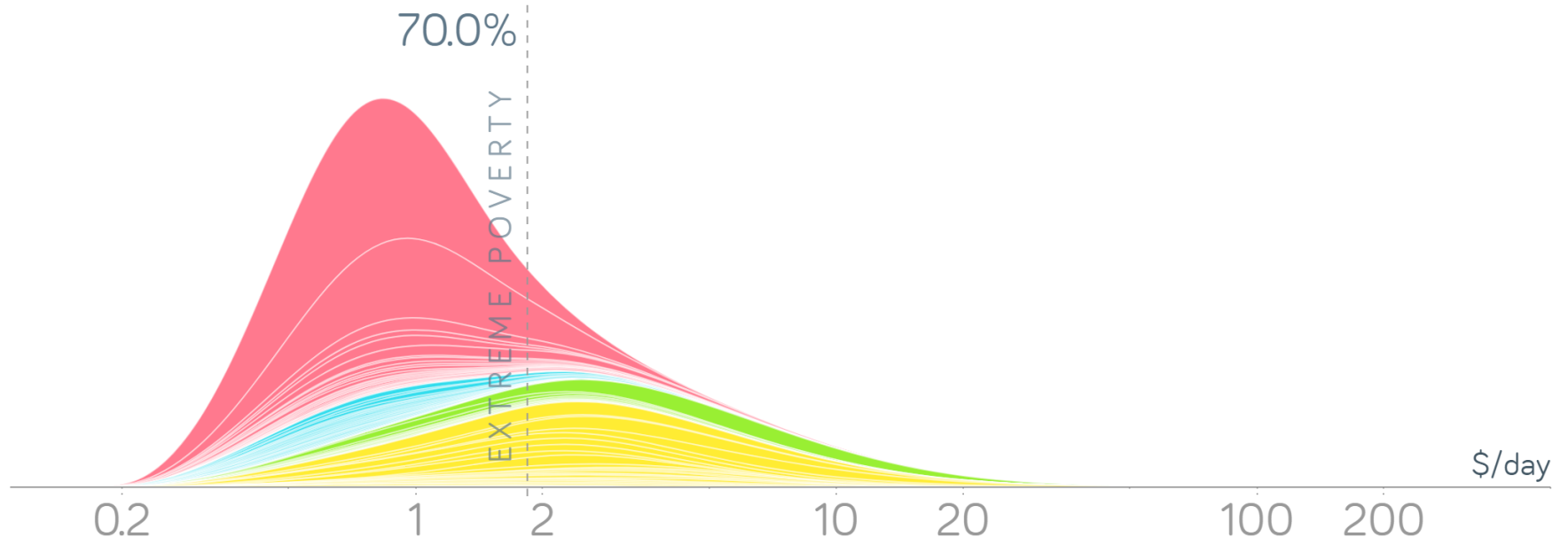
1800



INCOME LEVEL 1 ◆ LEVEL 2 ◆ LEVEL 3 ◆ LEVEL 4
Number of people by income ?

⚠ DATA DOUBTS

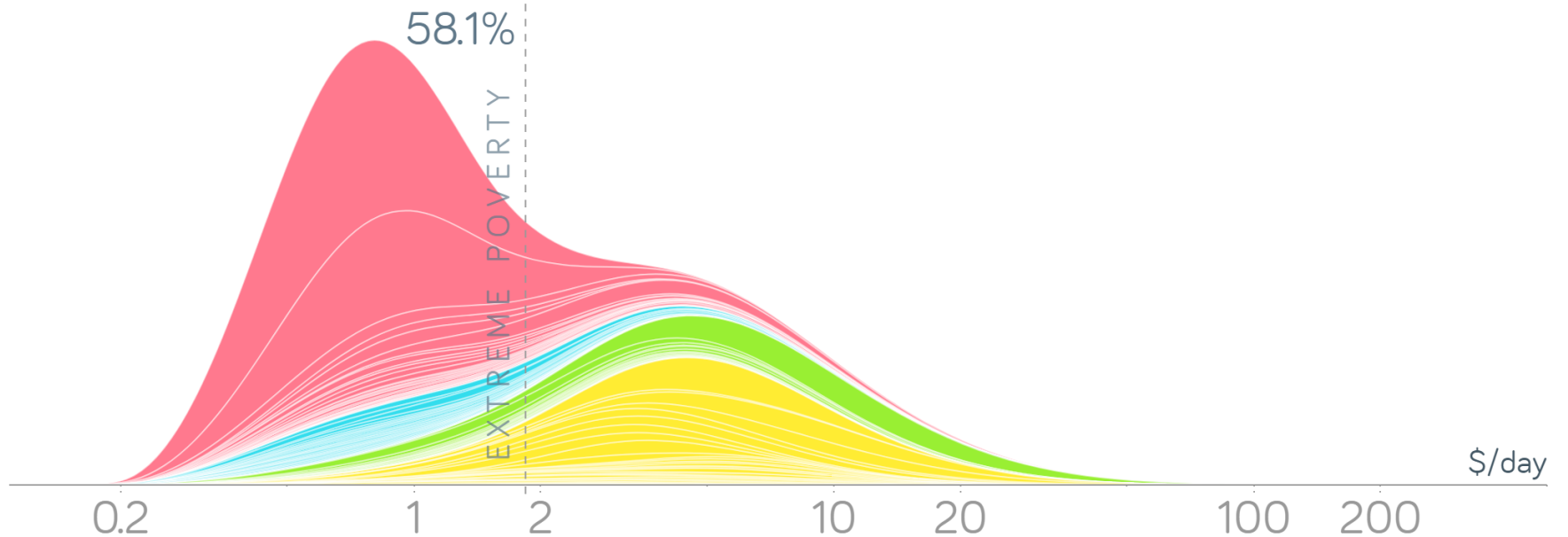
1900



INCOME LEVEL 1 ◆ LEVEL 2 ◆ LEVEL 3 ◆ LEVEL 4
Number of people by income ?

⚠ DATA DOUBTS

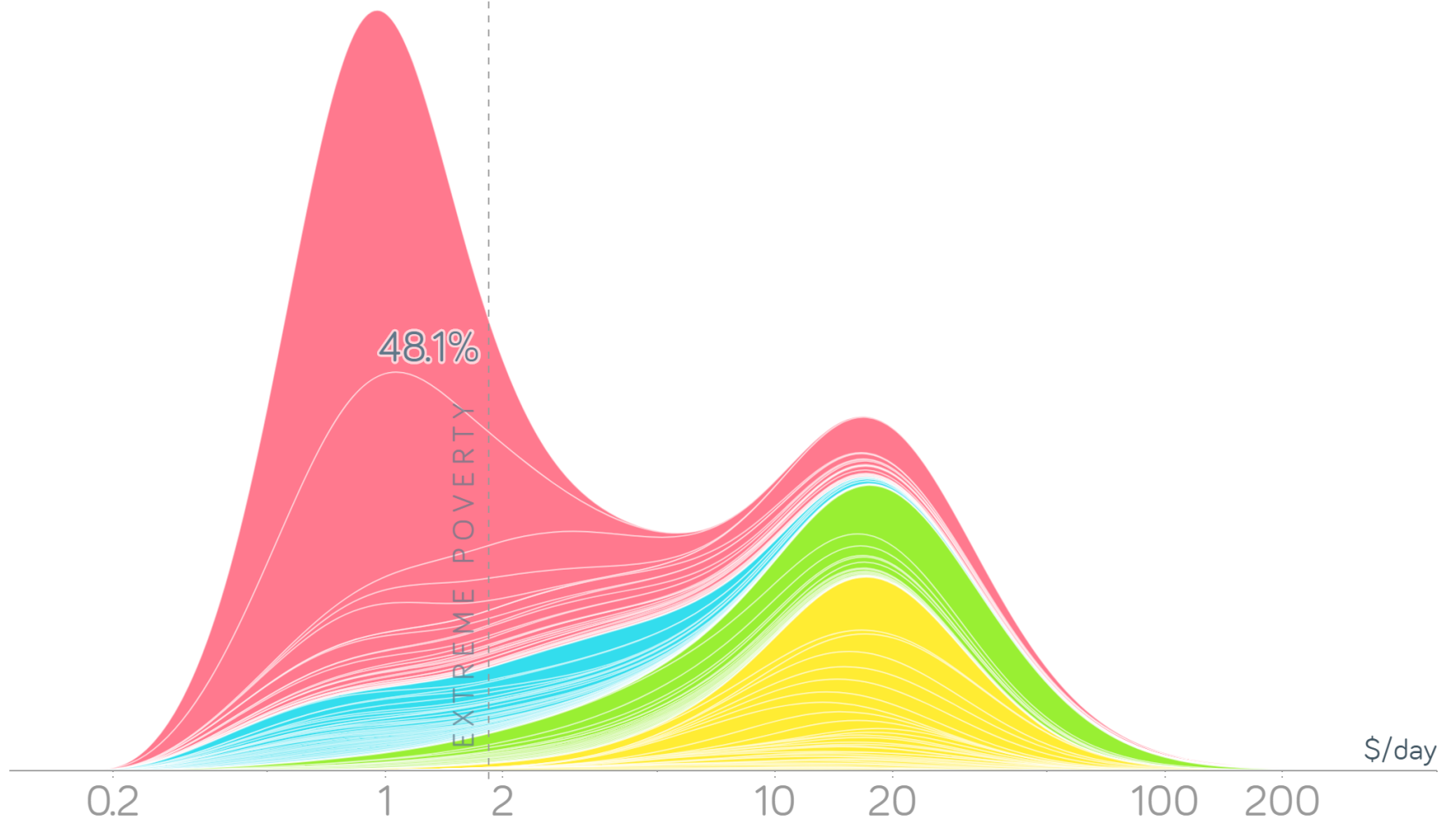
1940



INCOME LEVEL 1 ◆ LEVEL 2 ◆ LEVEL 3 ◆ LEVEL 4
Number of people by income ?

⚠ DATA DOUBTS

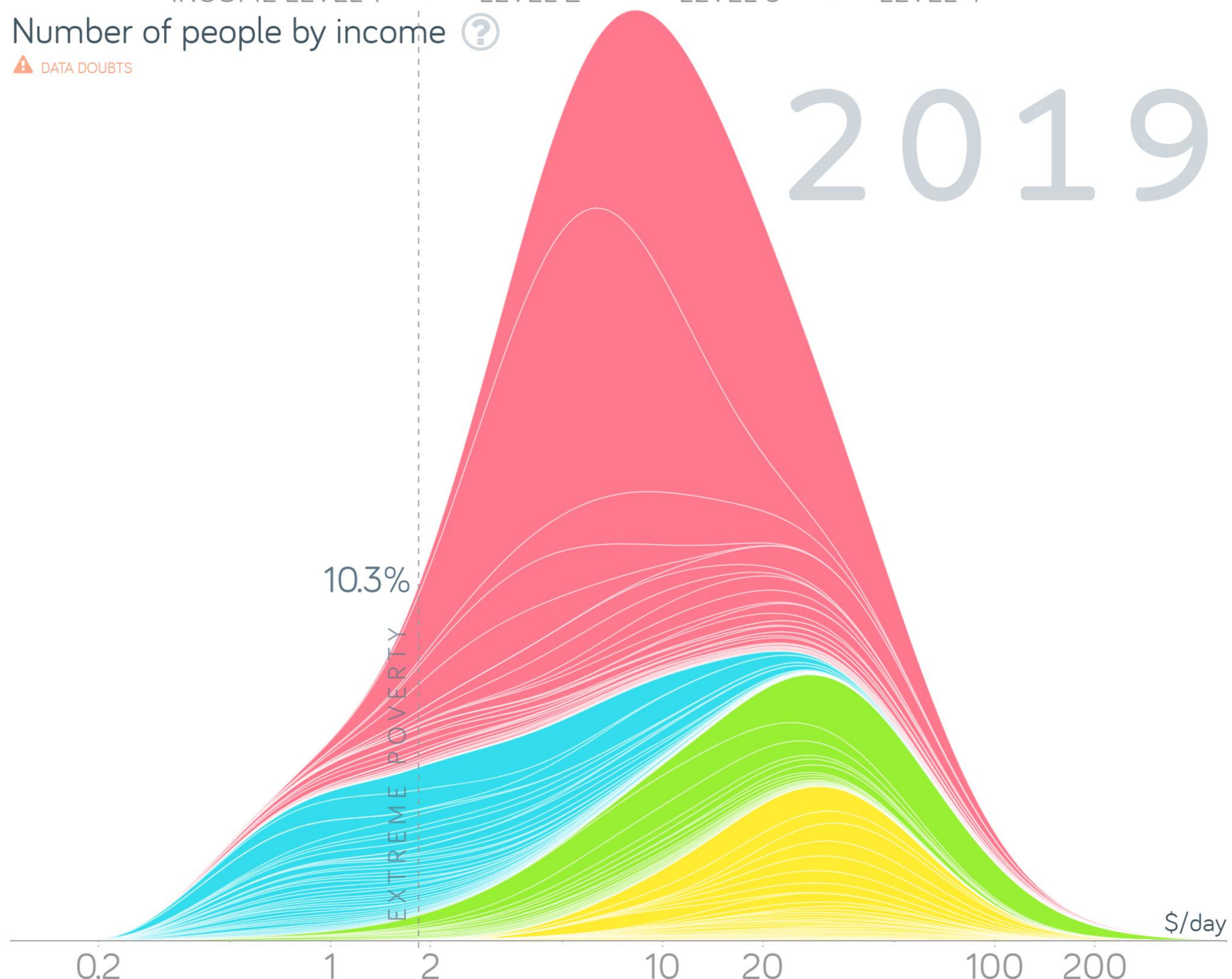
1980



INCOME LEVEL 1 ◆ LEVEL 2 ◆ LEVEL 3 ◆ LEVEL 4
Number of people by income ?

⚠ DATA DOUBTS

2019



Poverty

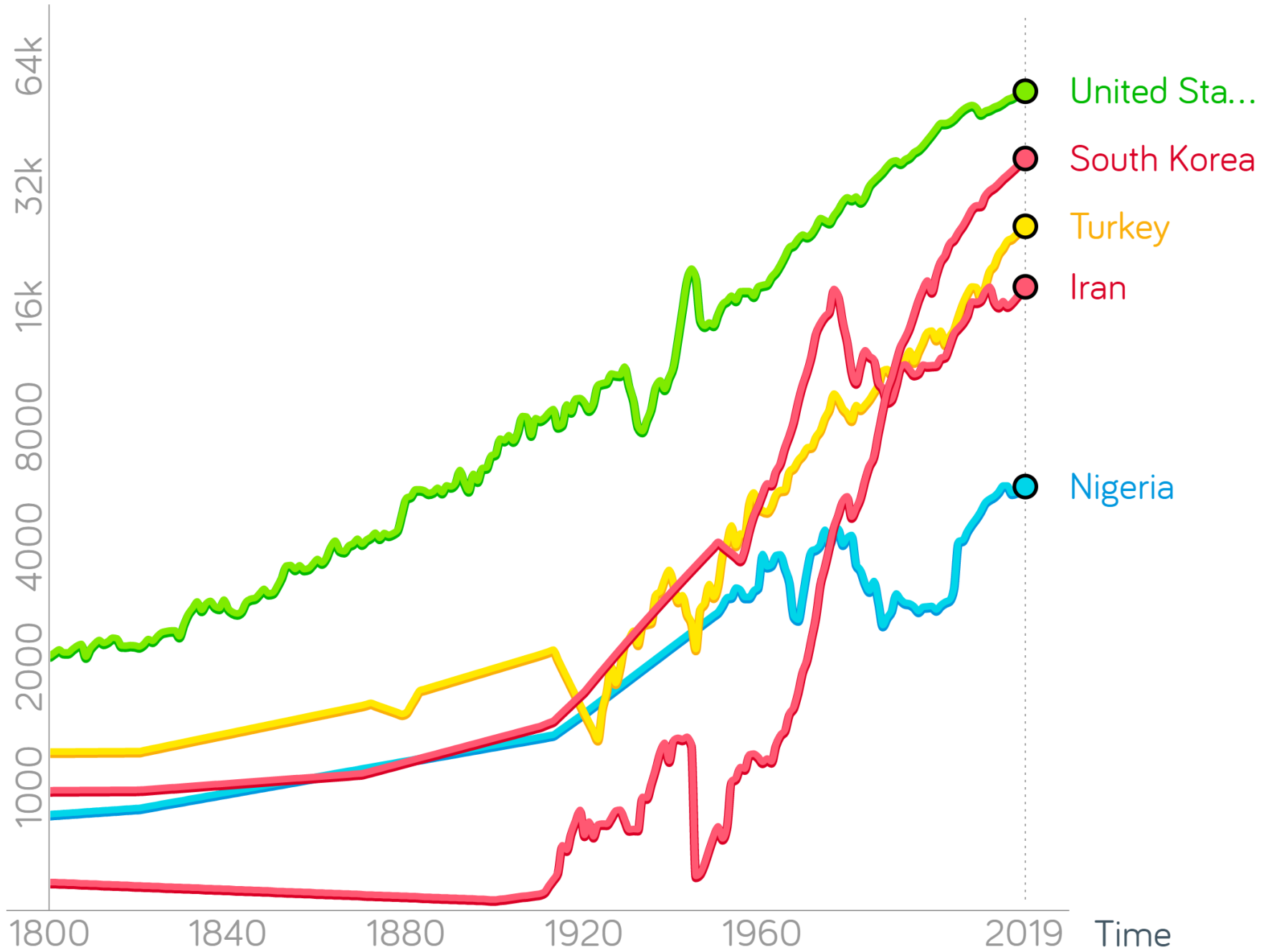
	GDP per capita	Fraction of population in extreme poverty	Fraction of high-school age children in school	Probability of surviving to age 65	
				Men	Women
U.K.	\$27,650	Almost zero	95%	0.83	0.89
Mexico	\$8,950	25%	60%	0.71	0.82
Mali	\$960	> 50%	< 10%	0.37	0.41

Relative GDP per capita

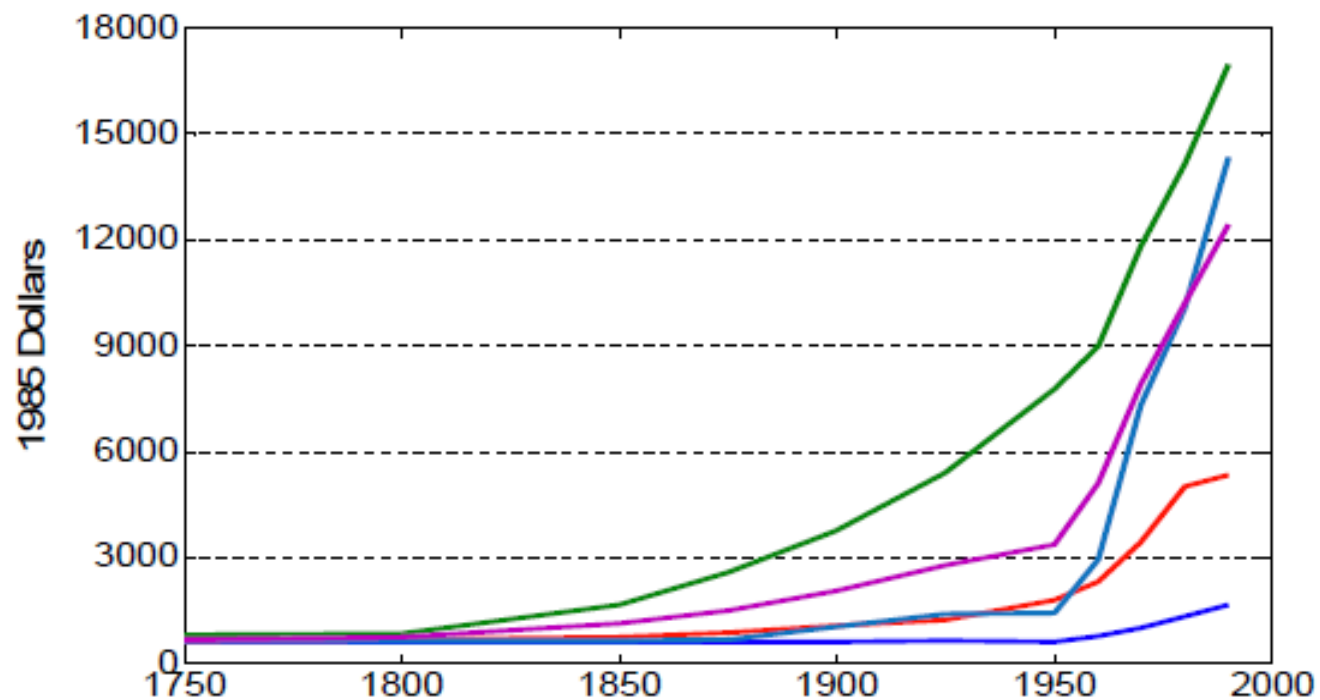
United States per capita GDP		Country at this level in 2004
Year	Level (2004 \$)	
1800	1,195	Kenya
1850	1,700	Bangladesh
1900	4,391	Morocco
1910	5,408	China
1916	6,189	Algeria
1920	6,180	Ukraine
1930	7,002	Namibia
1940	8,539	Romania
1950	12,783	Argentina
1960	15,099	Hungary
1970	20,065	South Korea
1980	24,729	Spain
1990	31,016	UK
2000	37,814	Ireland (almost)
2005	40,718	US, Norway

Income per person (GDP/capita, PPP\$ inflation-adjusted) ?

▲ DATA DOUBTS



GDP per capita, five regions



1990 Population in millions

UK, USA, Canada, Australia, New Zealand

354

Japan

124

France, Germany, Netherlands, Scandinavia

184

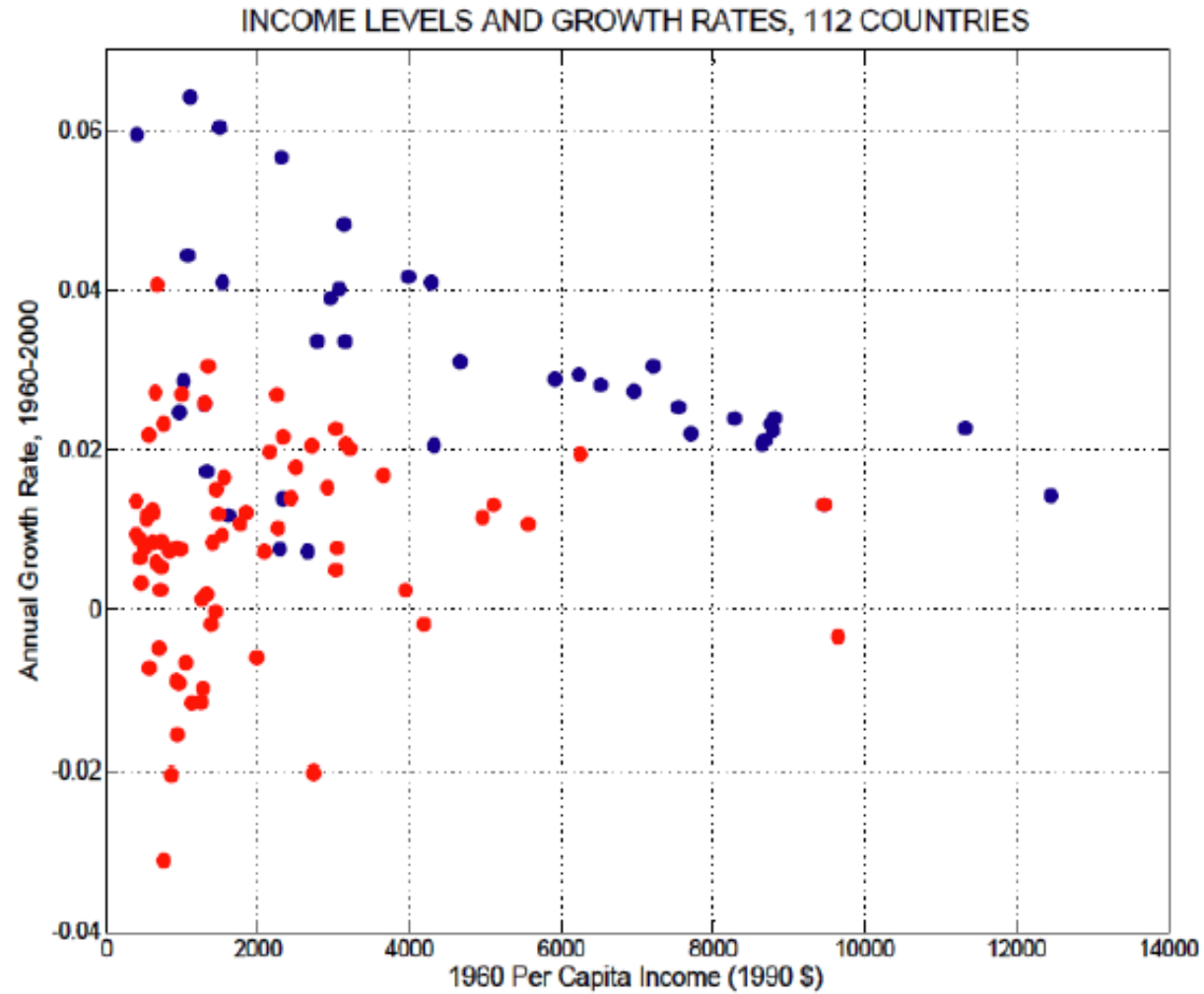
Rest of Western Europe, Eastern Europe, Latin America

986

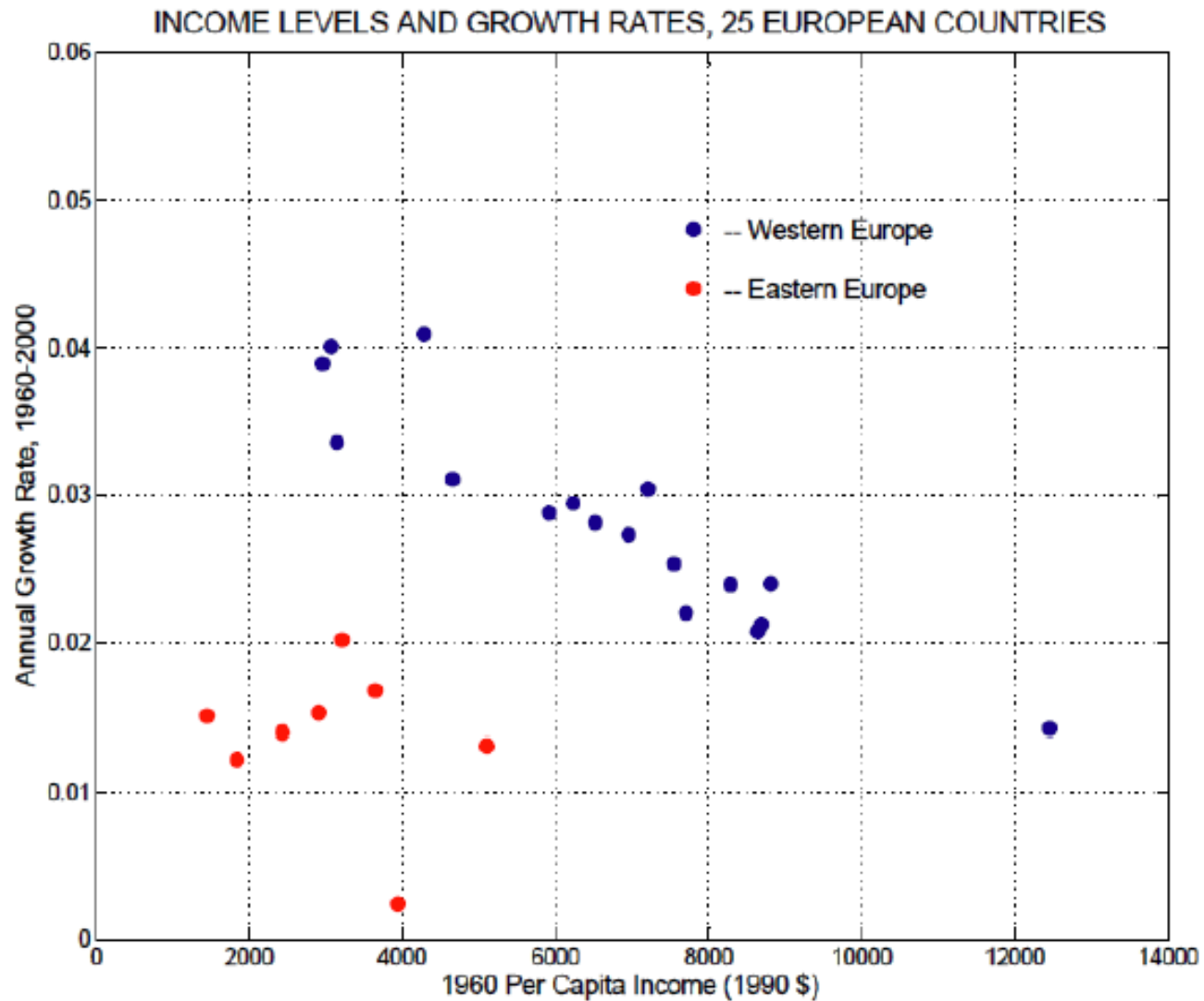
Asia (except Japan), Africa

3590

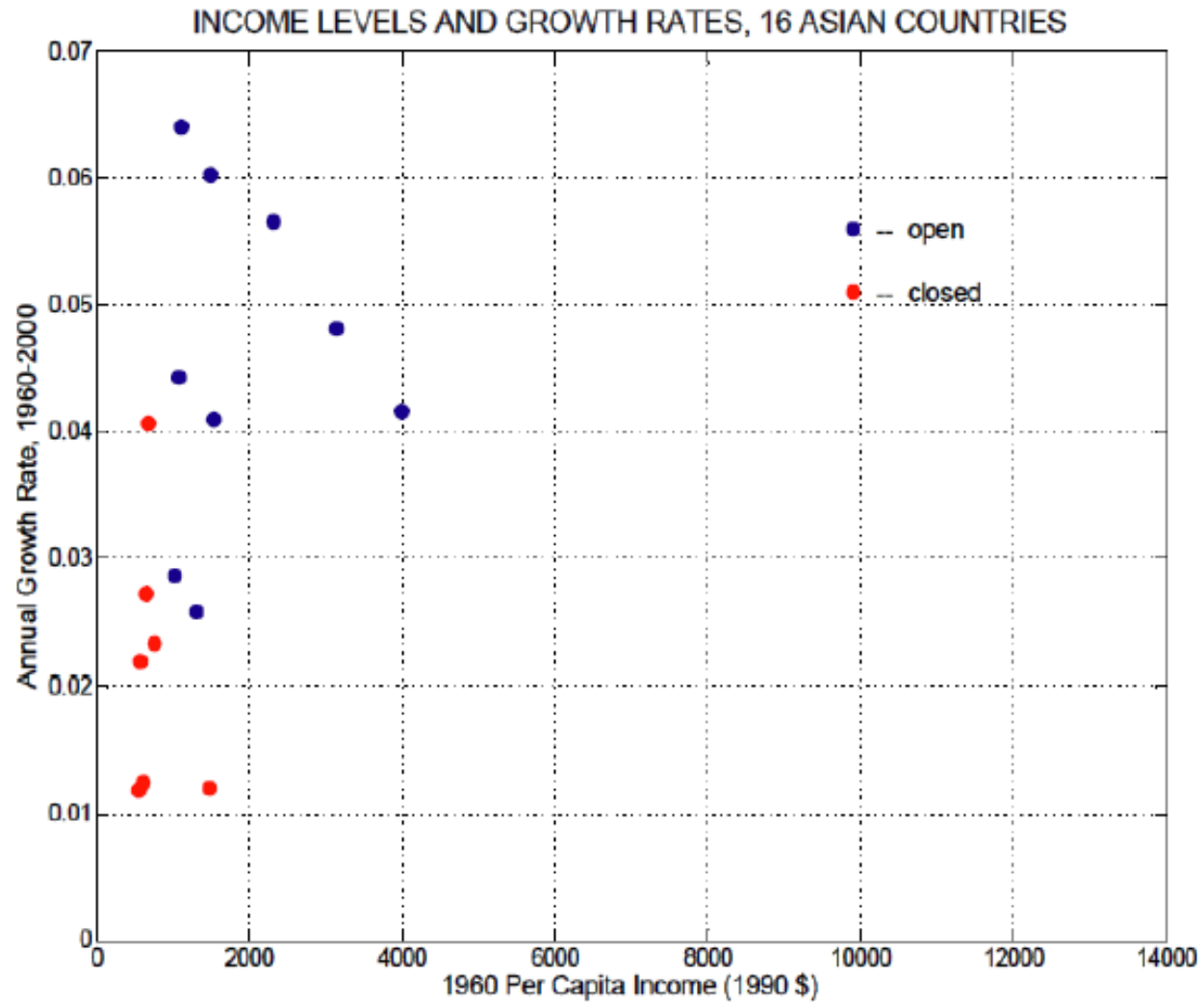
Growth vs. Level



Growth vs. Level

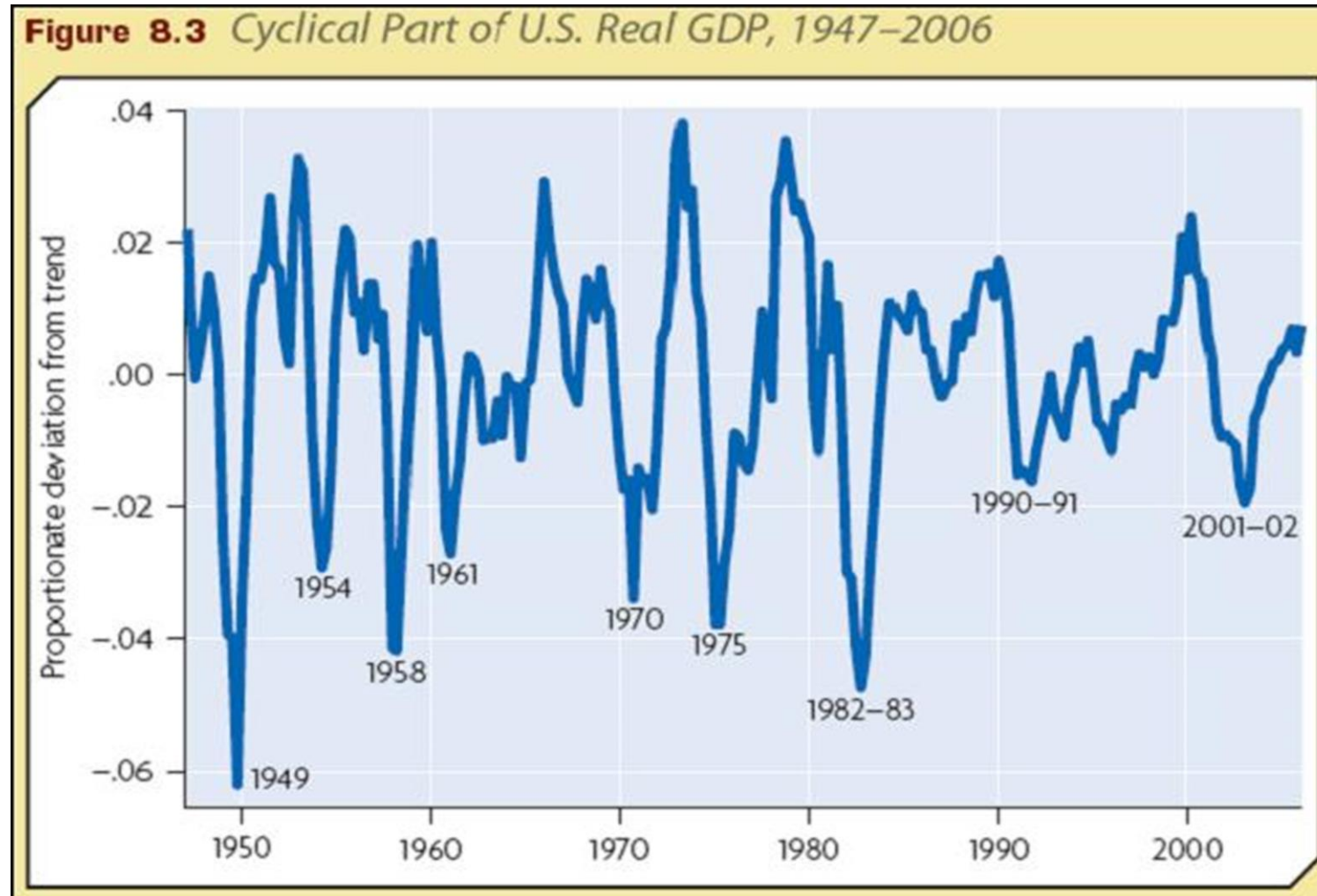


Growth vs. Level

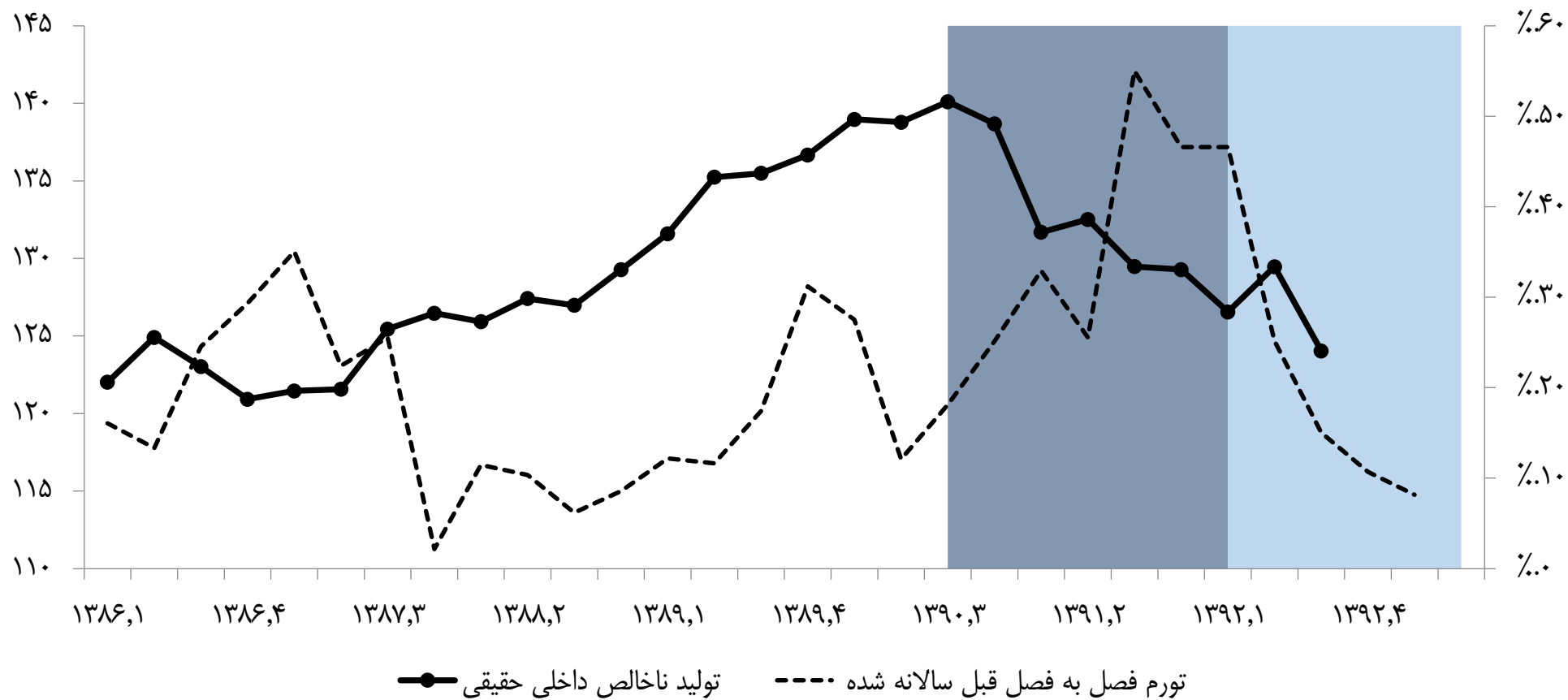


Business Cycles

Business Cycles in US (From Barro Book)



رکود تورمی در ایران



تاریخ گذاری چرخه های تجاری ایران

وضعیت	شروع	پایان	طول دوره (فصل)
رکود	نامعلوم	بهار ۱۳۶۸	حداقل ۵
رونق	تابستان ۱۳۶۸	پاییز ۱۳۷۰	۱۰
رکود	زمستان ۱۳۷۰	زمستان ۱۳۷۲	۹
رونق	بهار ۱۳۷۳	تابستان ۱۳۷۳	۲
رکود	پاییز ۱۳۷۳	بهار ۱۳۷۴	۳
رونق	تابستان ۱۳۷۴	بهار ۱۳۷۶	۸
رکود	تابستان ۱۳۷۶	بهار ۱۳۷۸	۸
رونق	تابستان ۱۳۷۸	زمستان ۱۳۷۸	۳
رکود	بهار ۱۳۷۹	بهار ۱۳۸۰	۵
رونق	تابستان ۱۳۸۰	بهار ۱۳۸۶	۲۴
رکود	تابستان ۱۳۸۶	تابستان ۱۳۸۸	۹
رونق	پاییز ۱۳۸۸	تابستان ۱۳۹۰	۸
رکود	پاییز ۱۳۹۰	تابستان ۱۳۹۲	۸
رونق	پاییز ۱۳۹۲	نامعلوم	حداقل ۶
میانگین طول دوره های رکود: ۹٫۲ فصل			
میانگین طول دوره های رونق: ۷٫۰ فصل			

Inflation

Price of a bill???

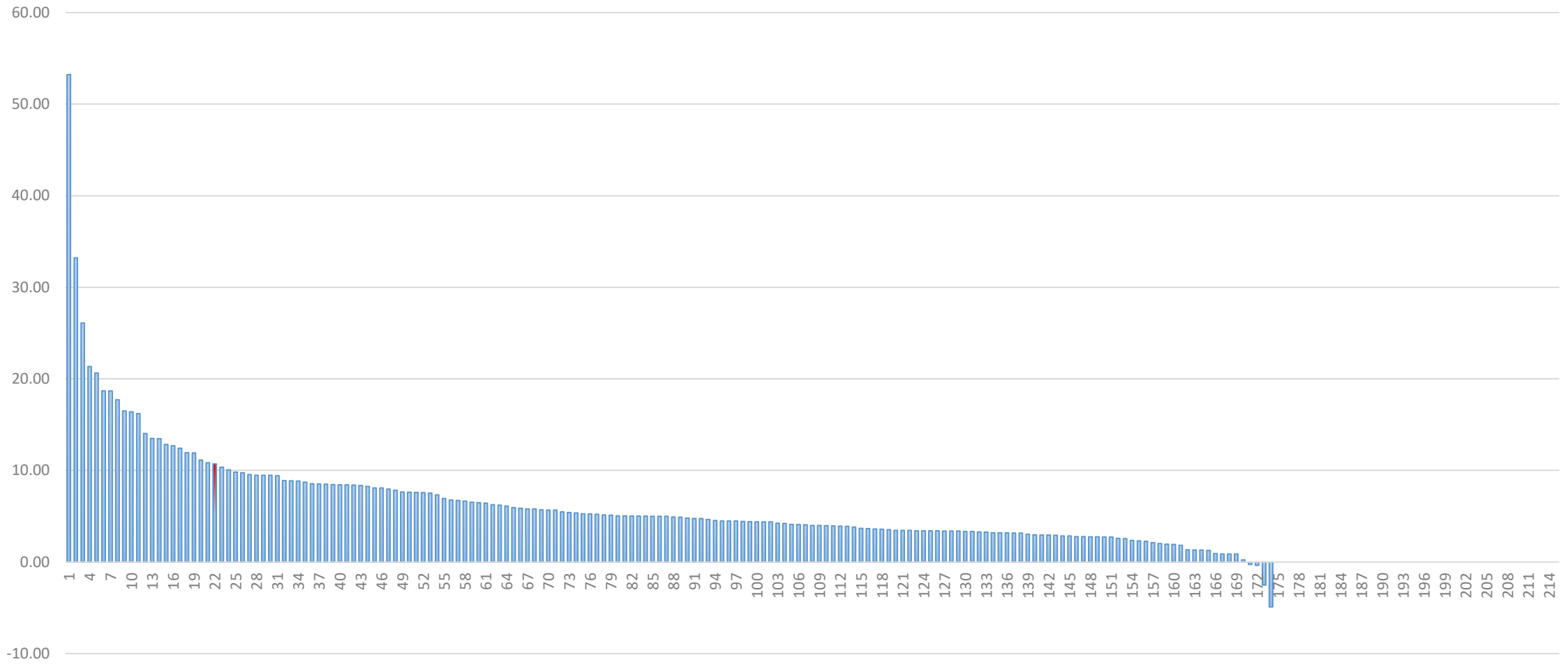


???

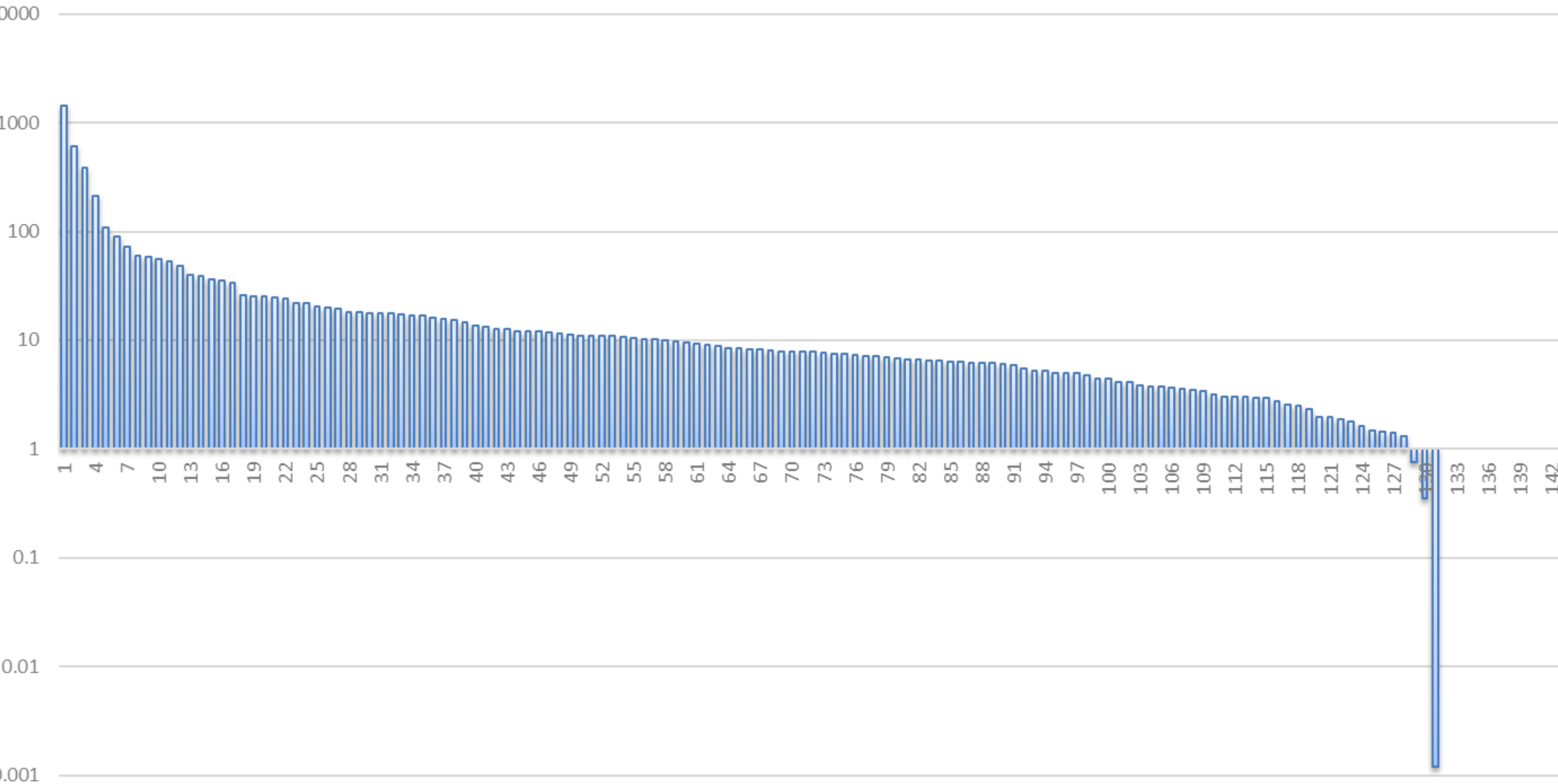


Inflation across the world

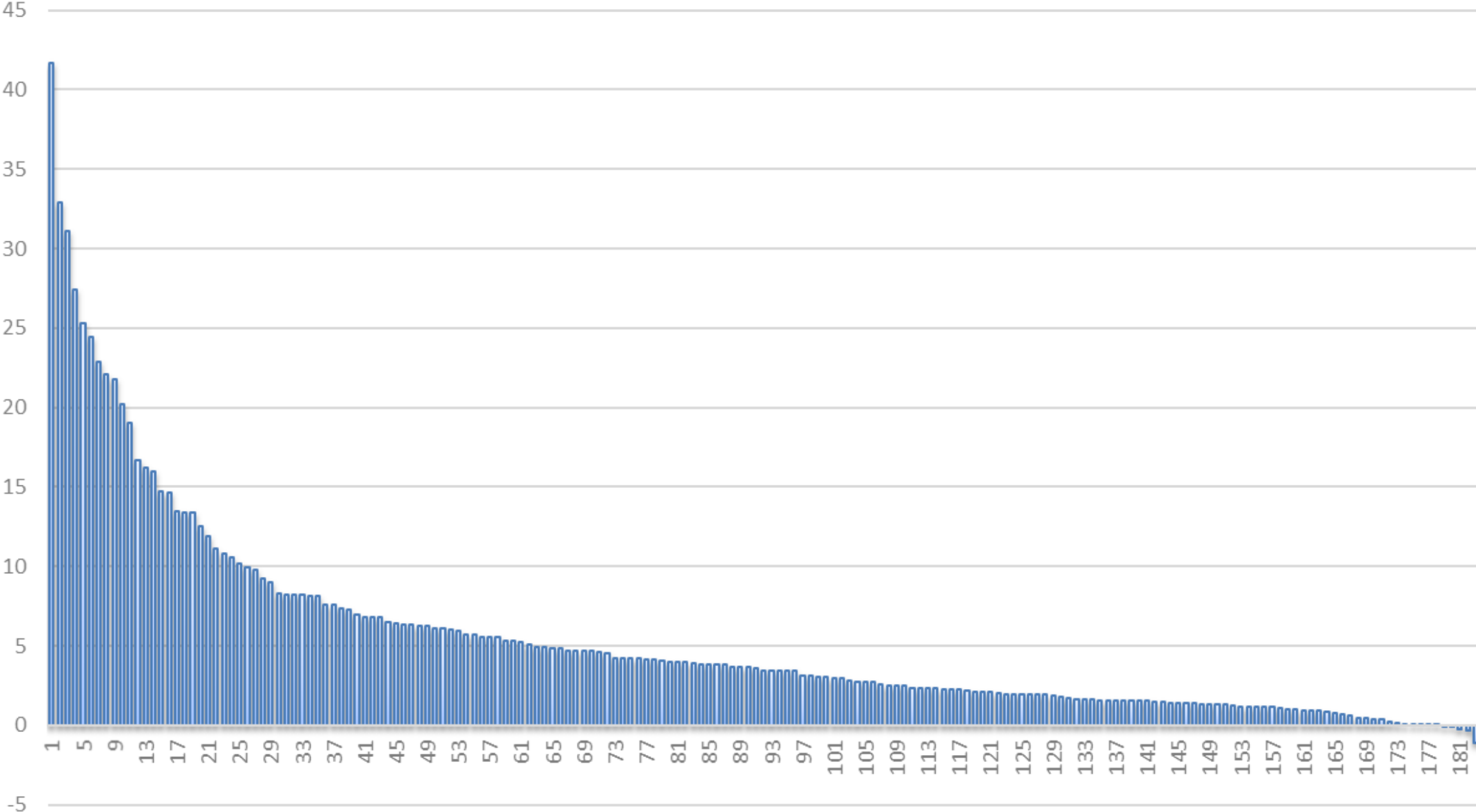
Inflation



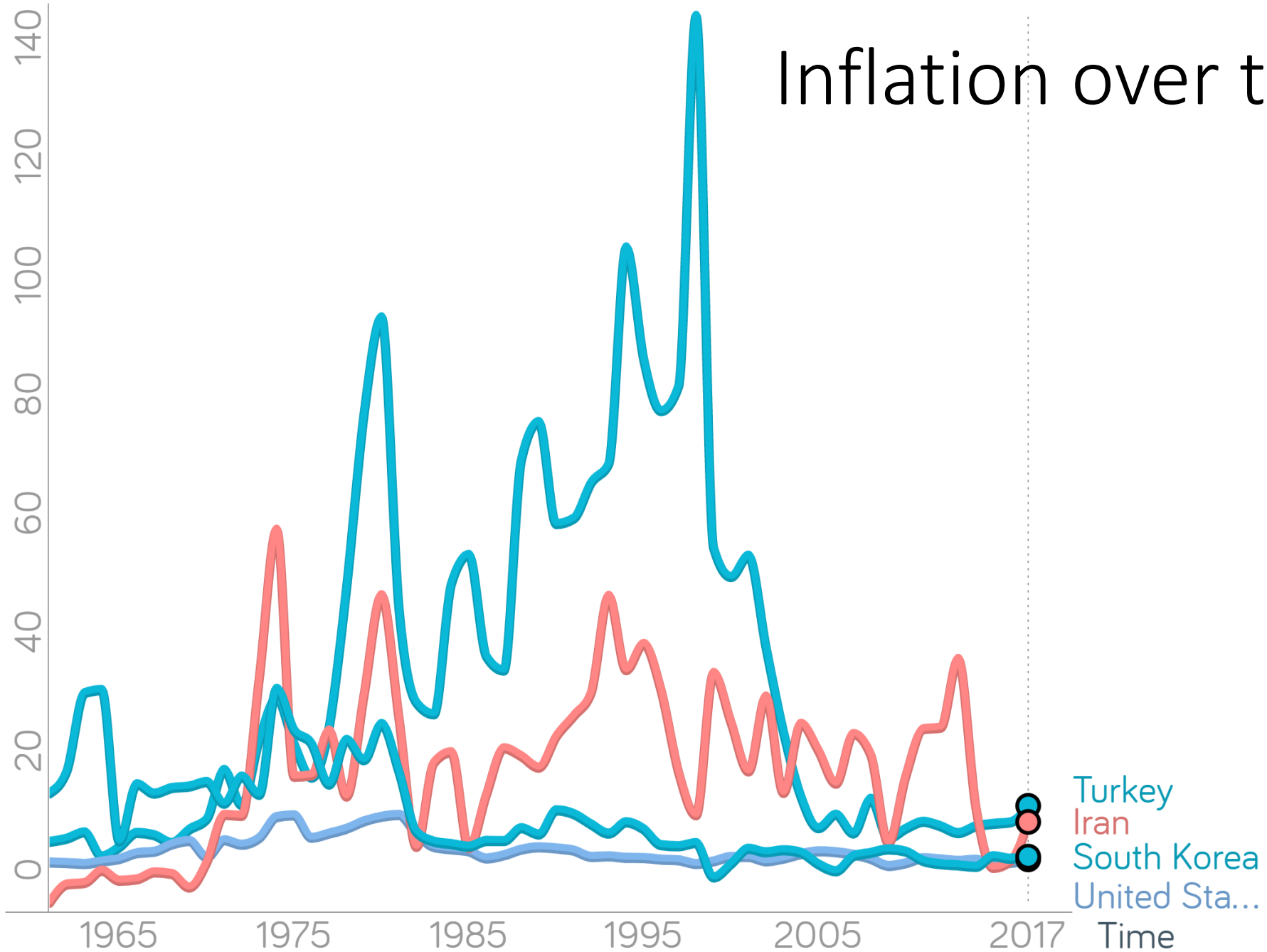
Inflation in 1984



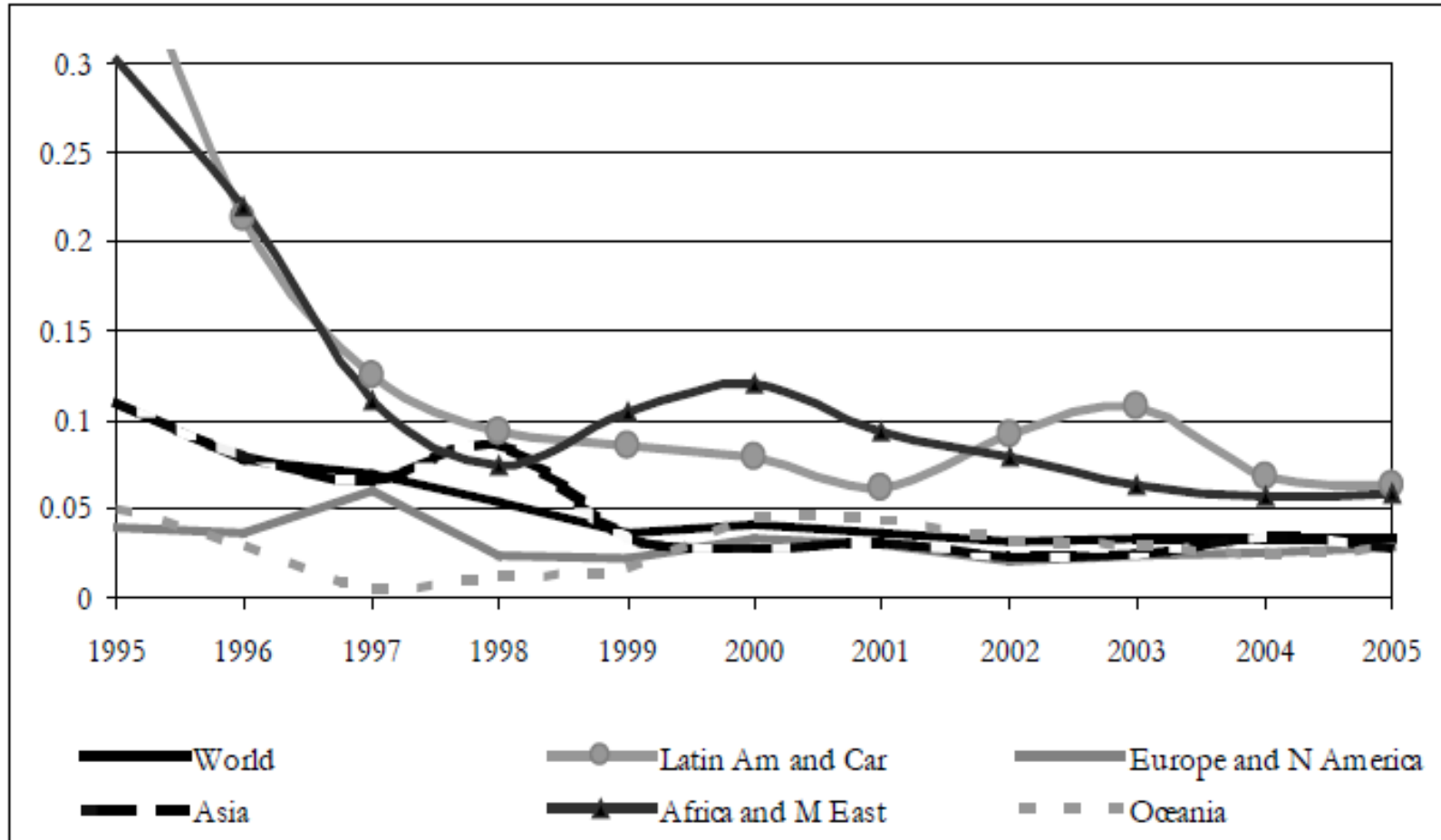
Inflation in 2017



Inflation over time

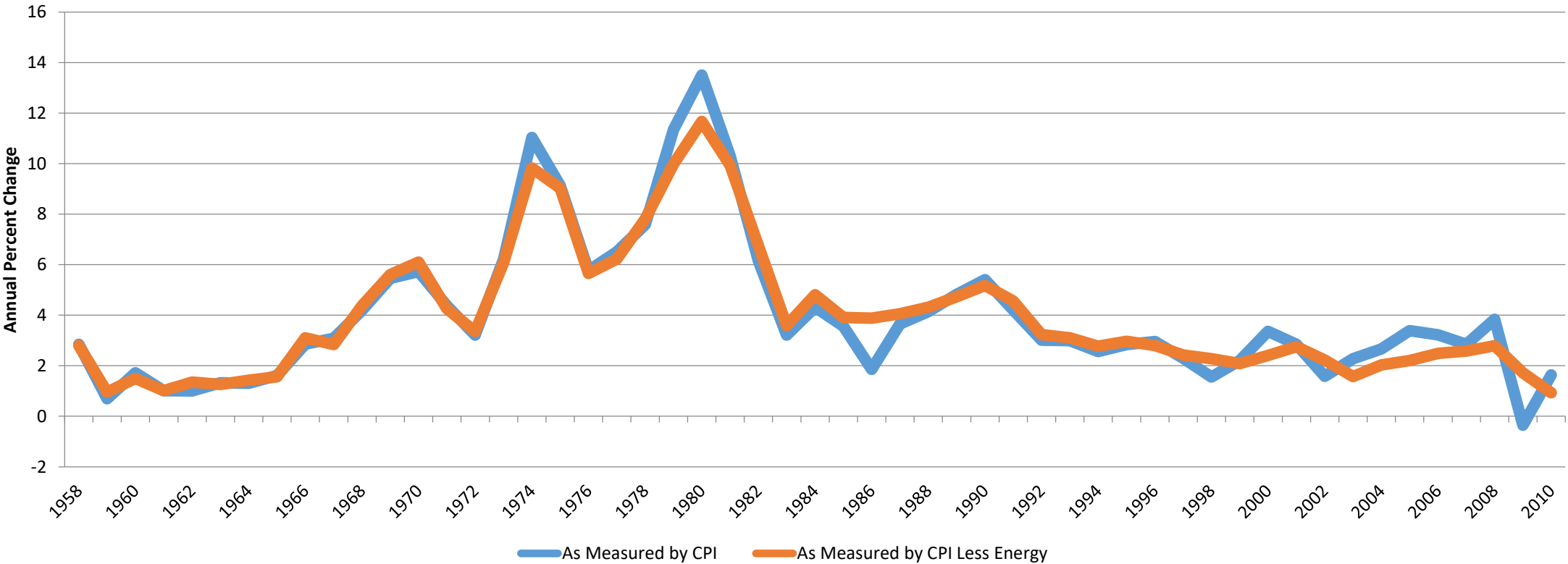


The Great Moderation

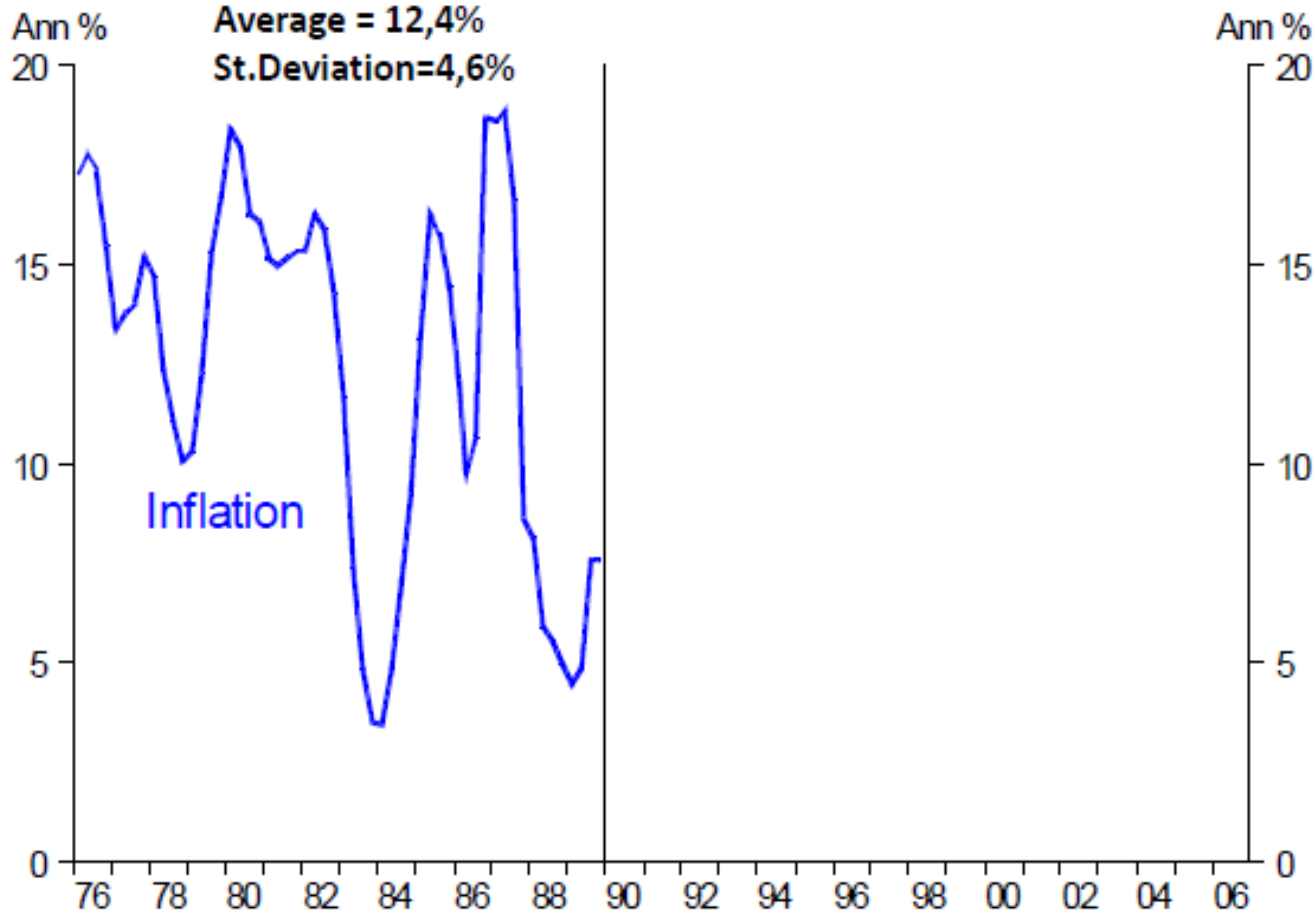


Inflation in U.S.

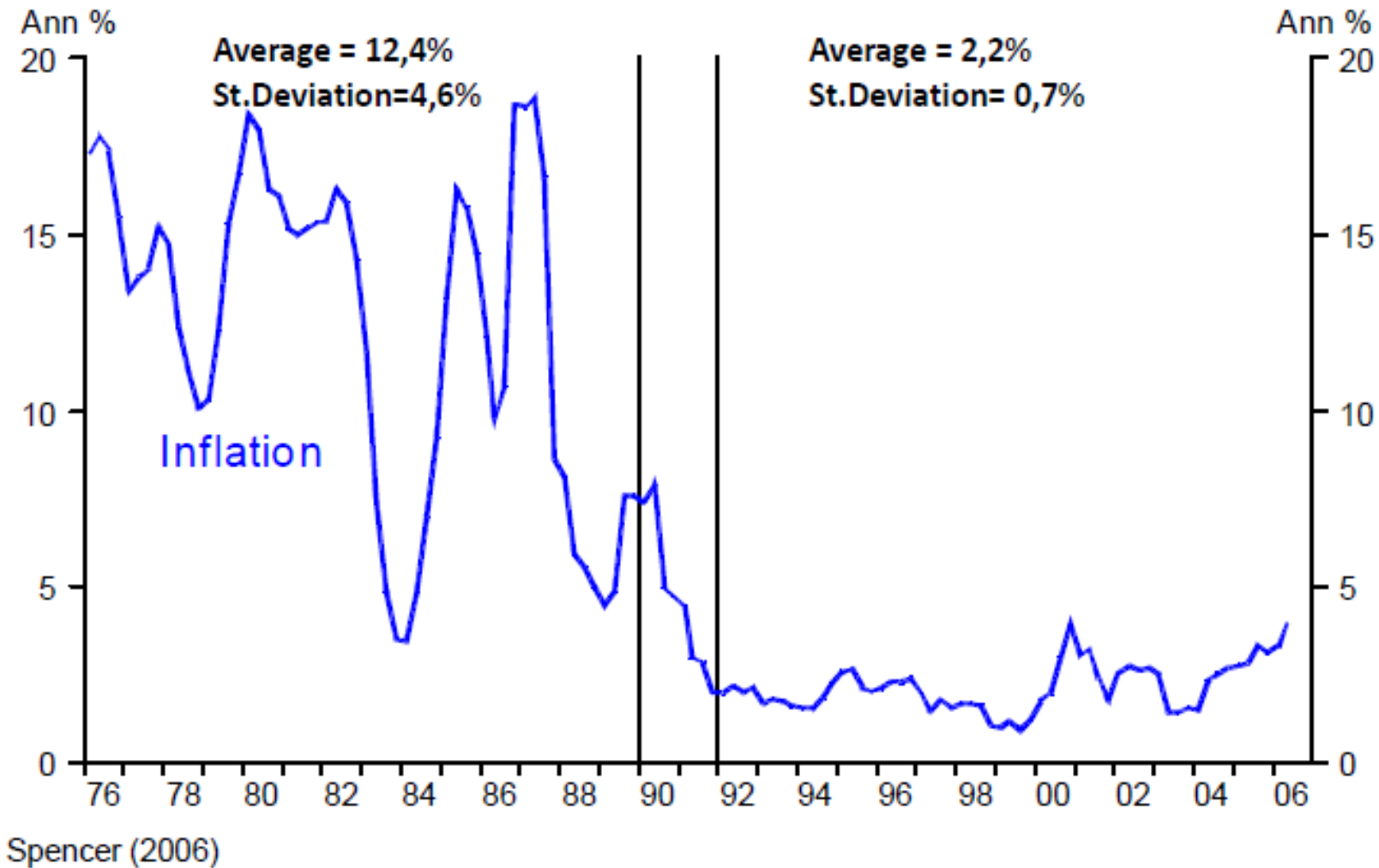
Inflation as Measured by the CPI



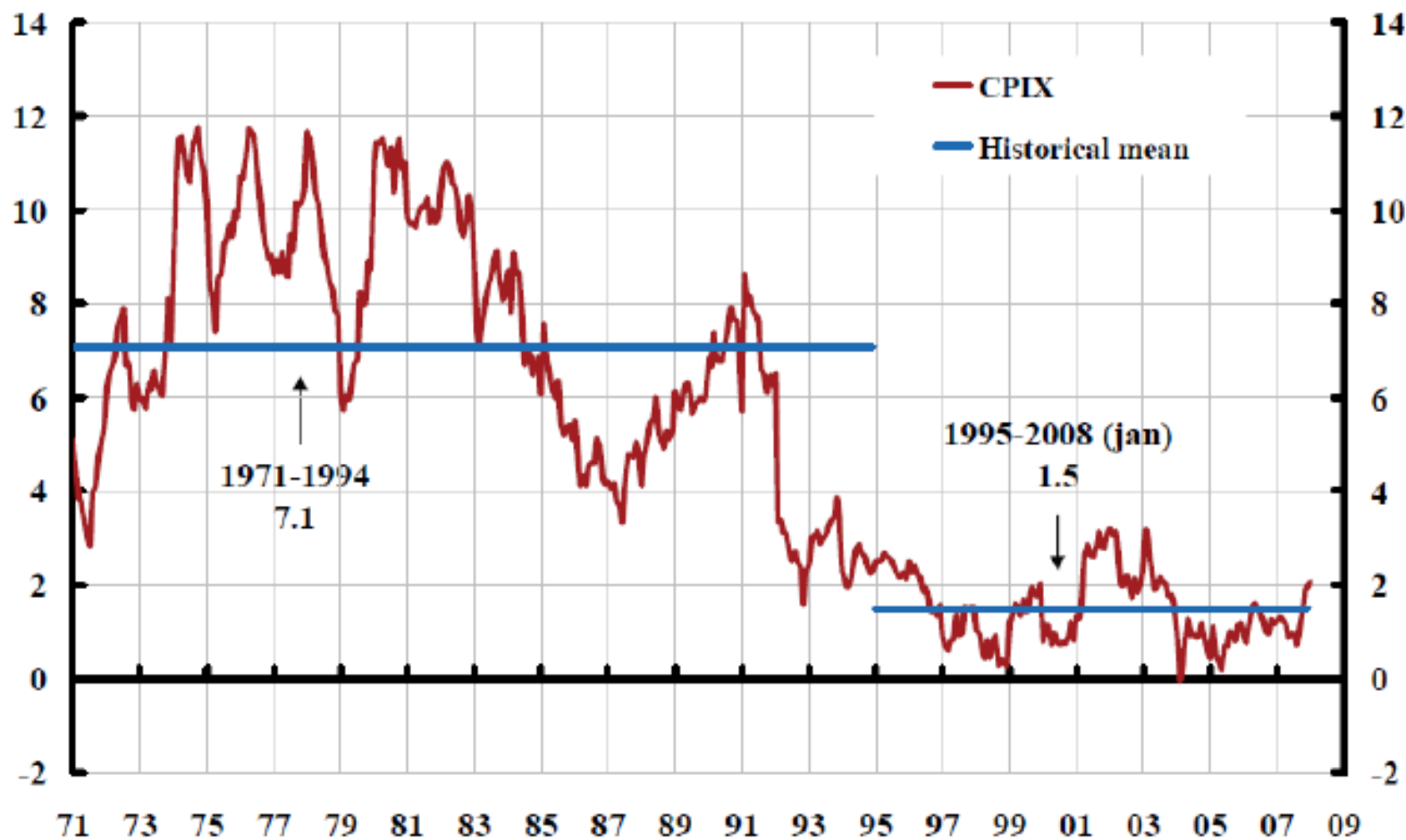
New Zealand Inflation (1975-1990)



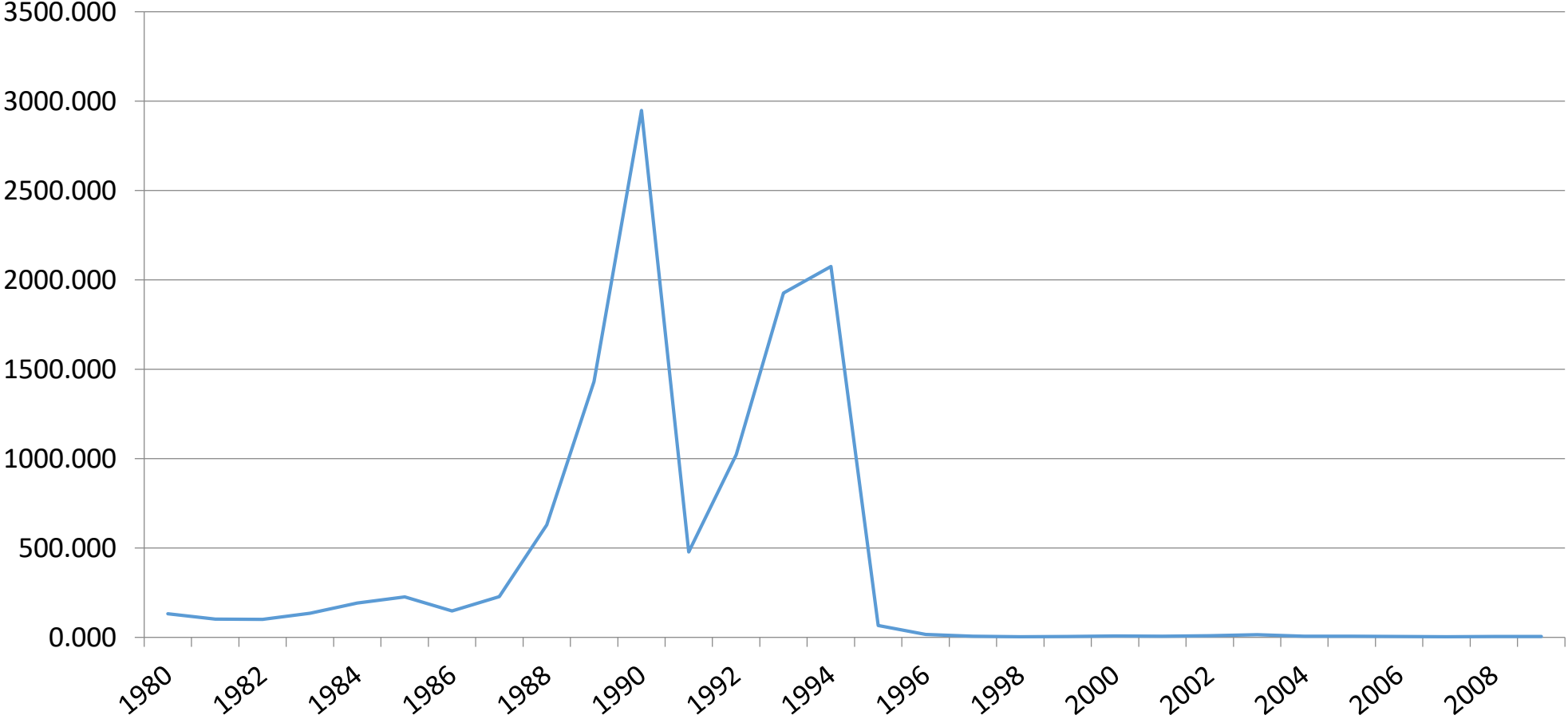
Inflation in New Zealand



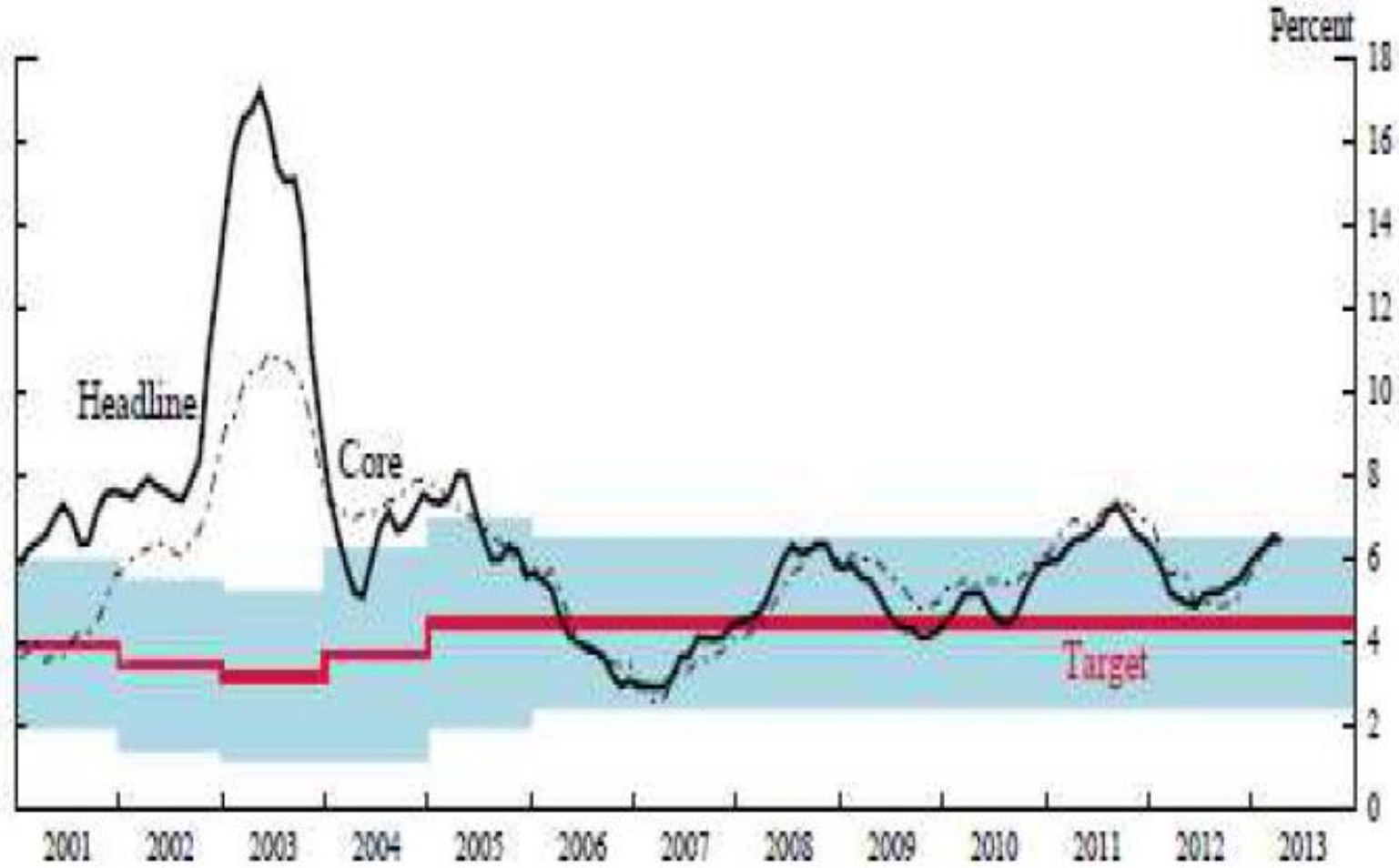
Inflation in Sweden



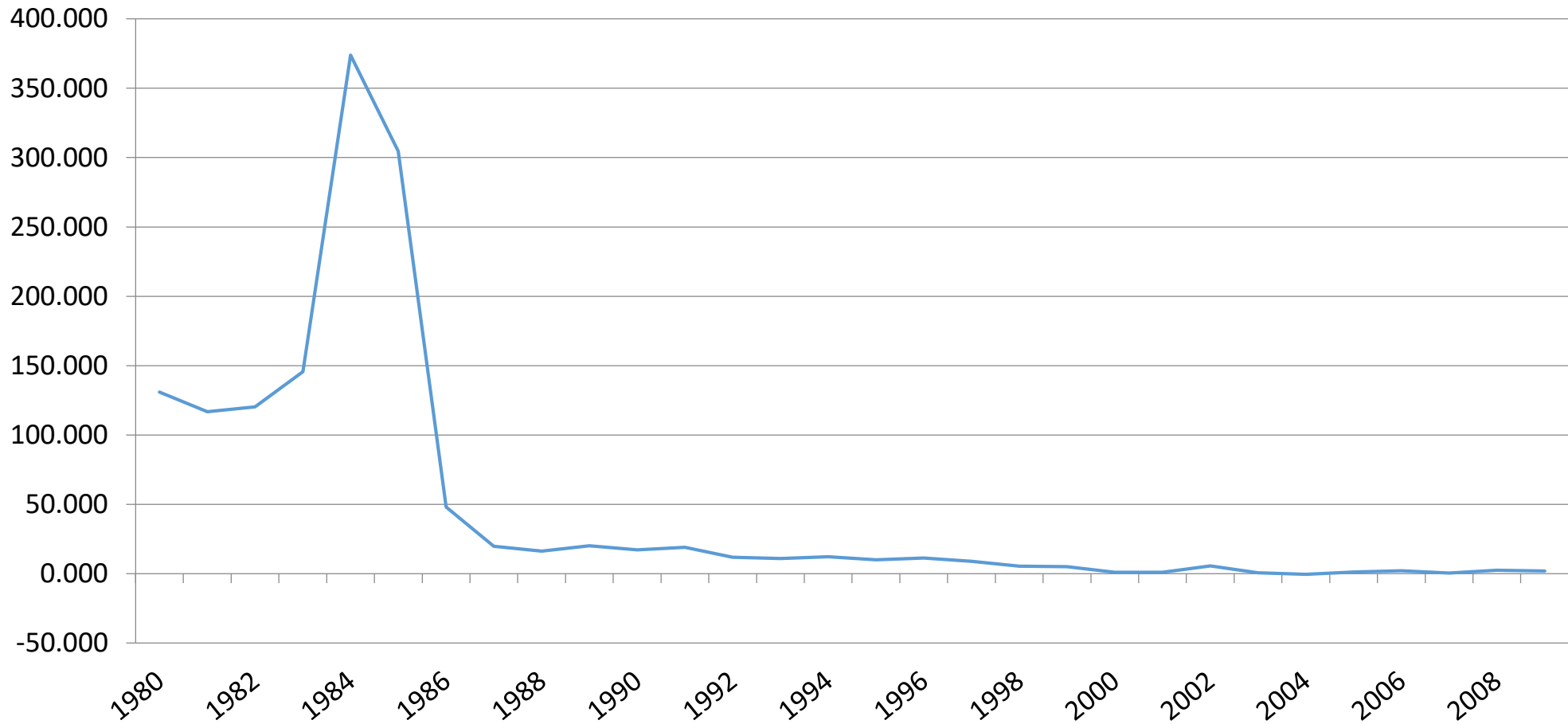
Inflation in Brazil



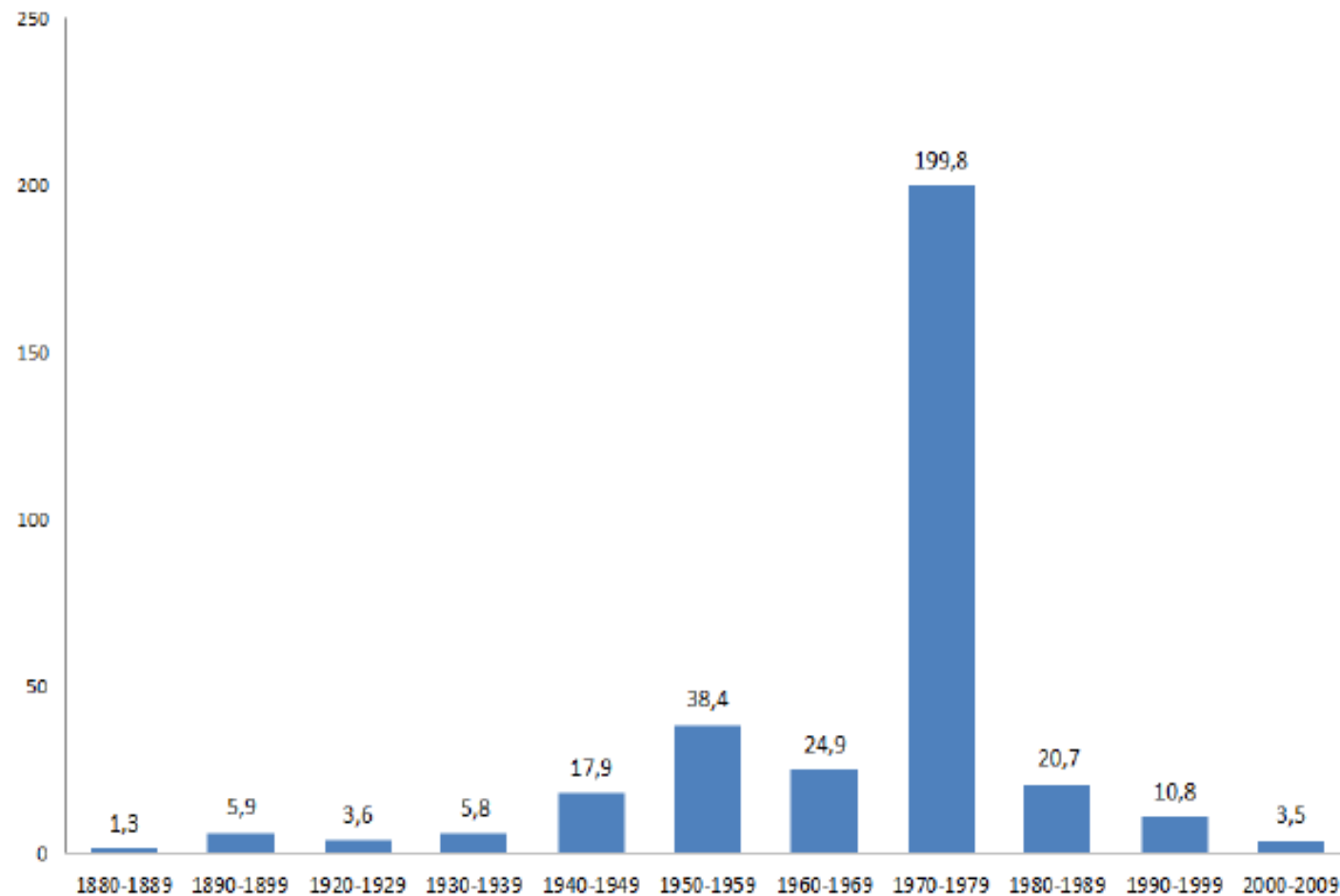
Inflation in Brazil



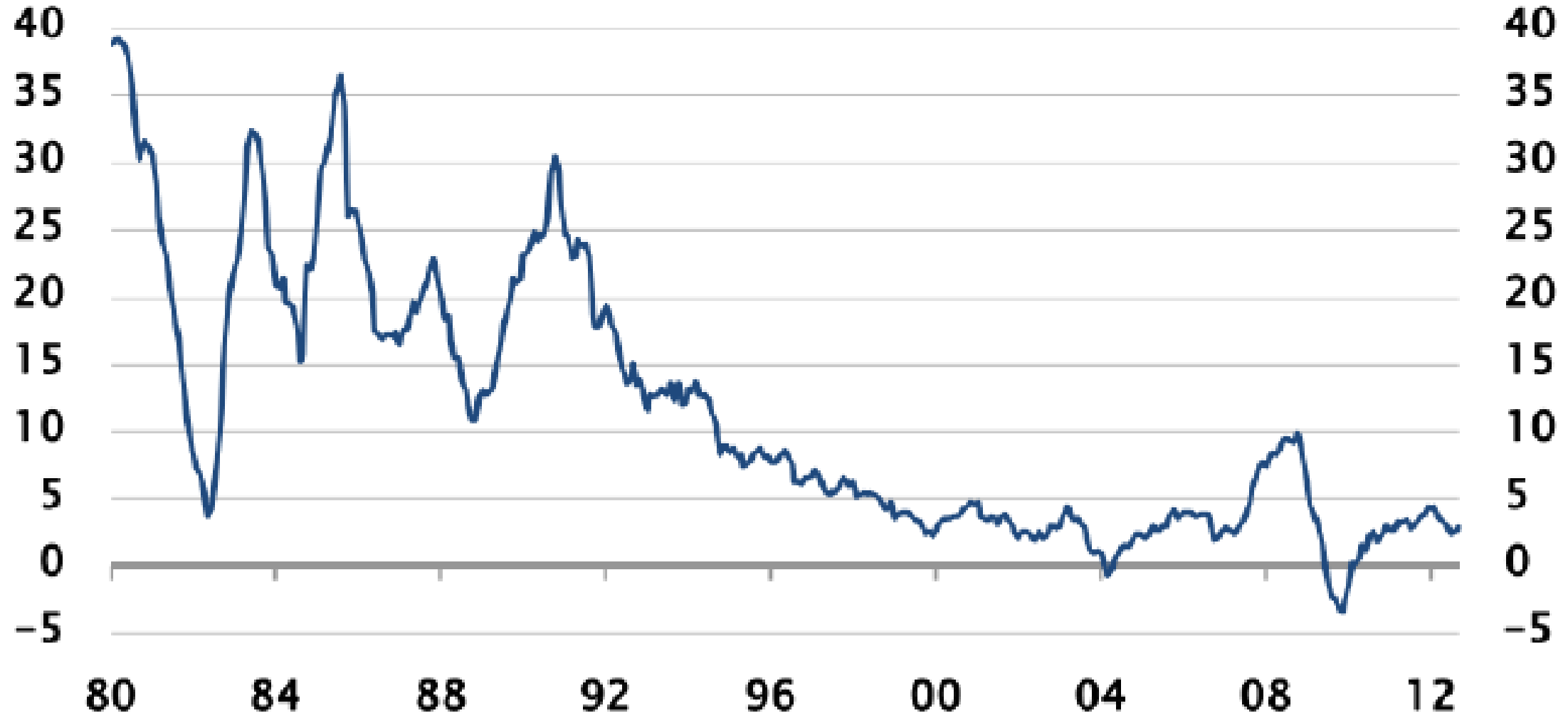
Inflation in Israel



Inflation in Chile

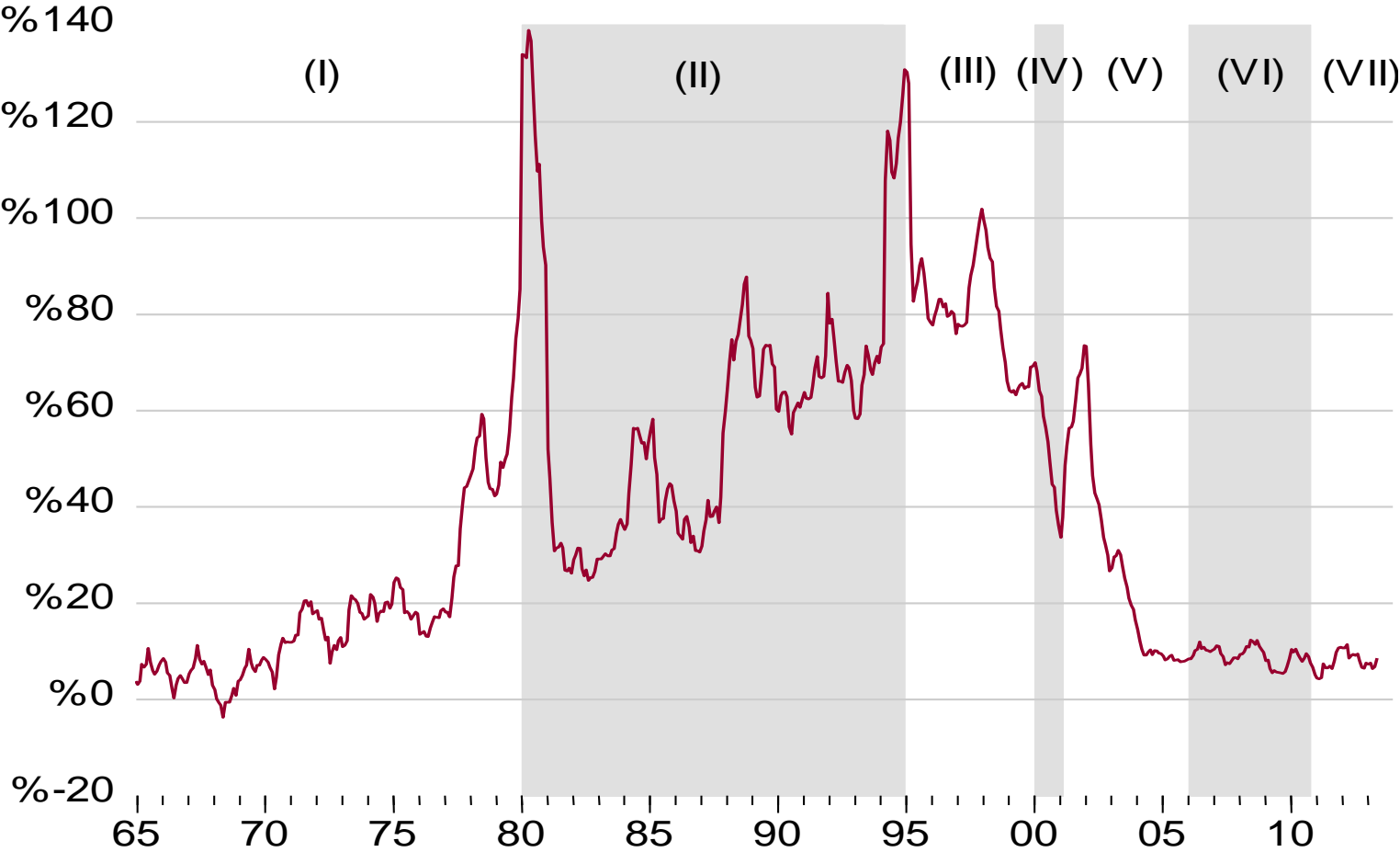


Inflation in Chile



Inflation in Turkey

Inflation (year-on-year)

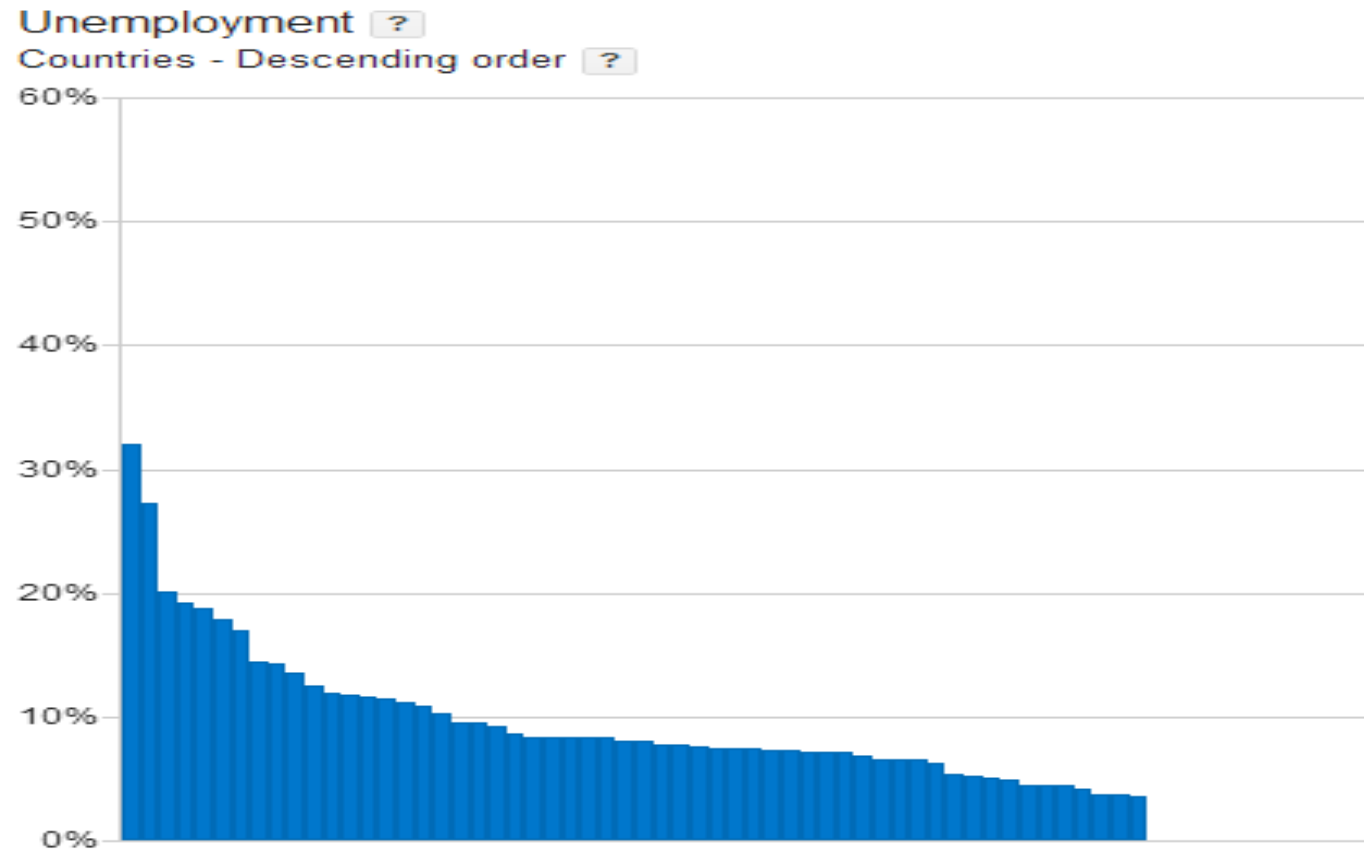


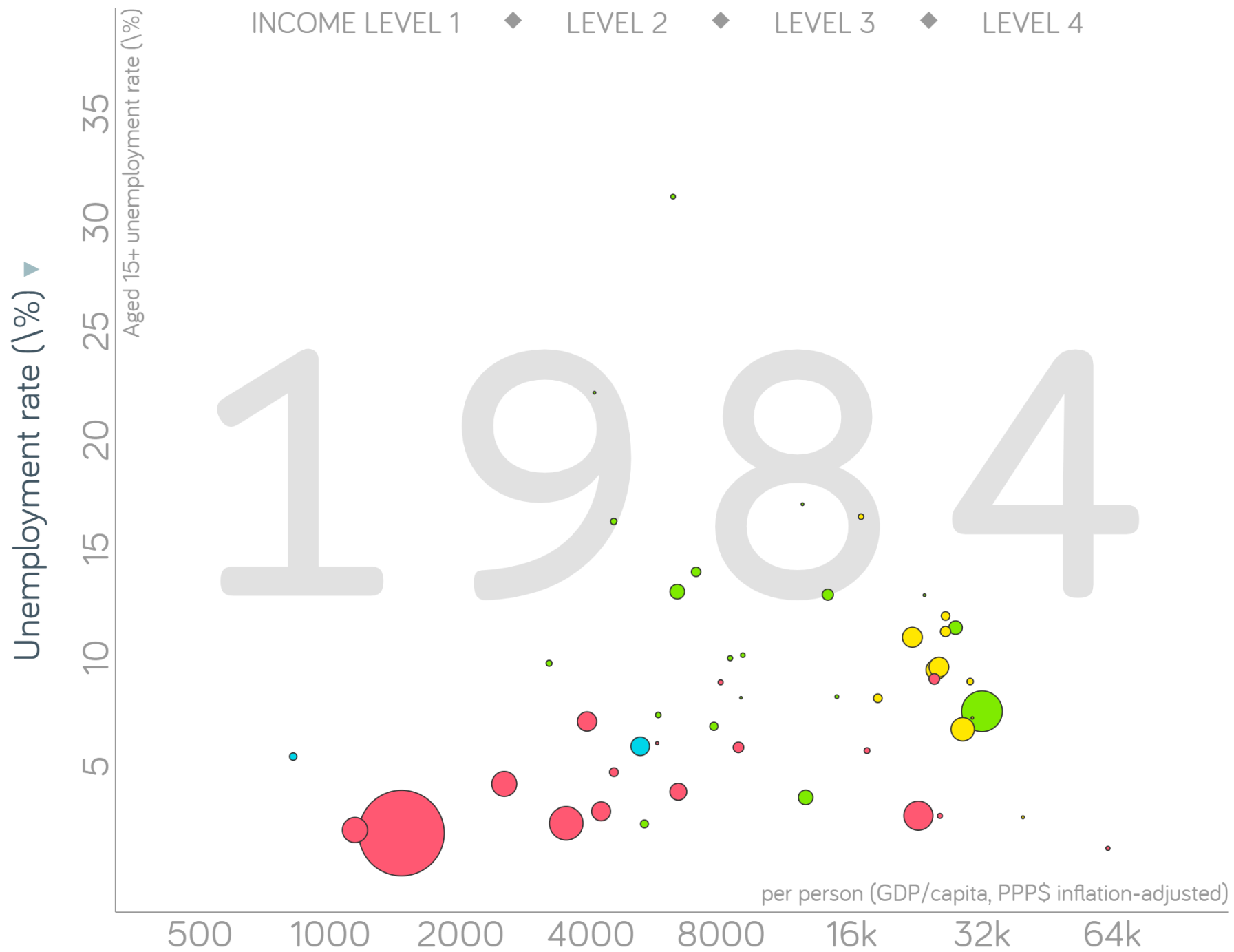
Unemployment

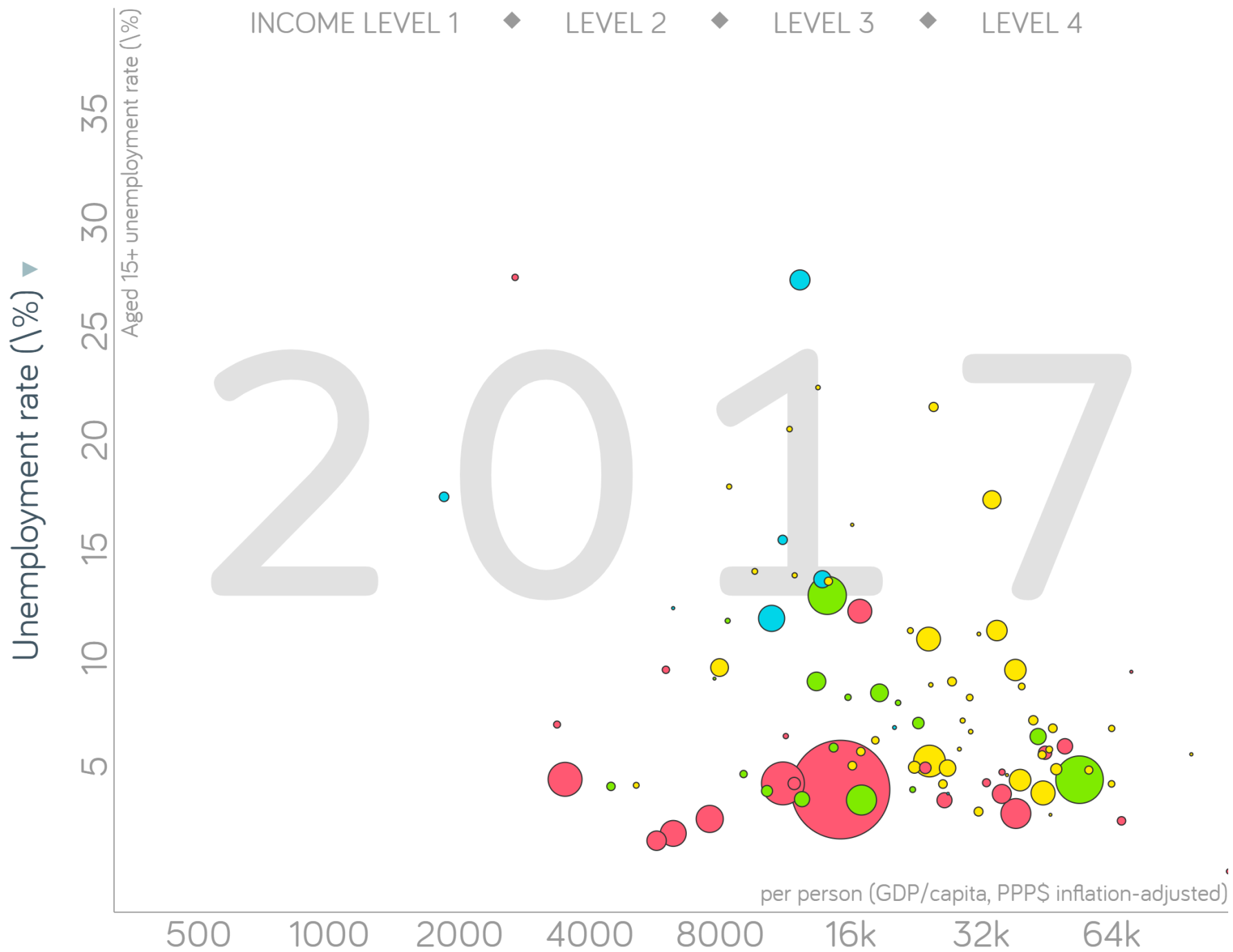
Any effect from Unemployment?



Unemployment across the world

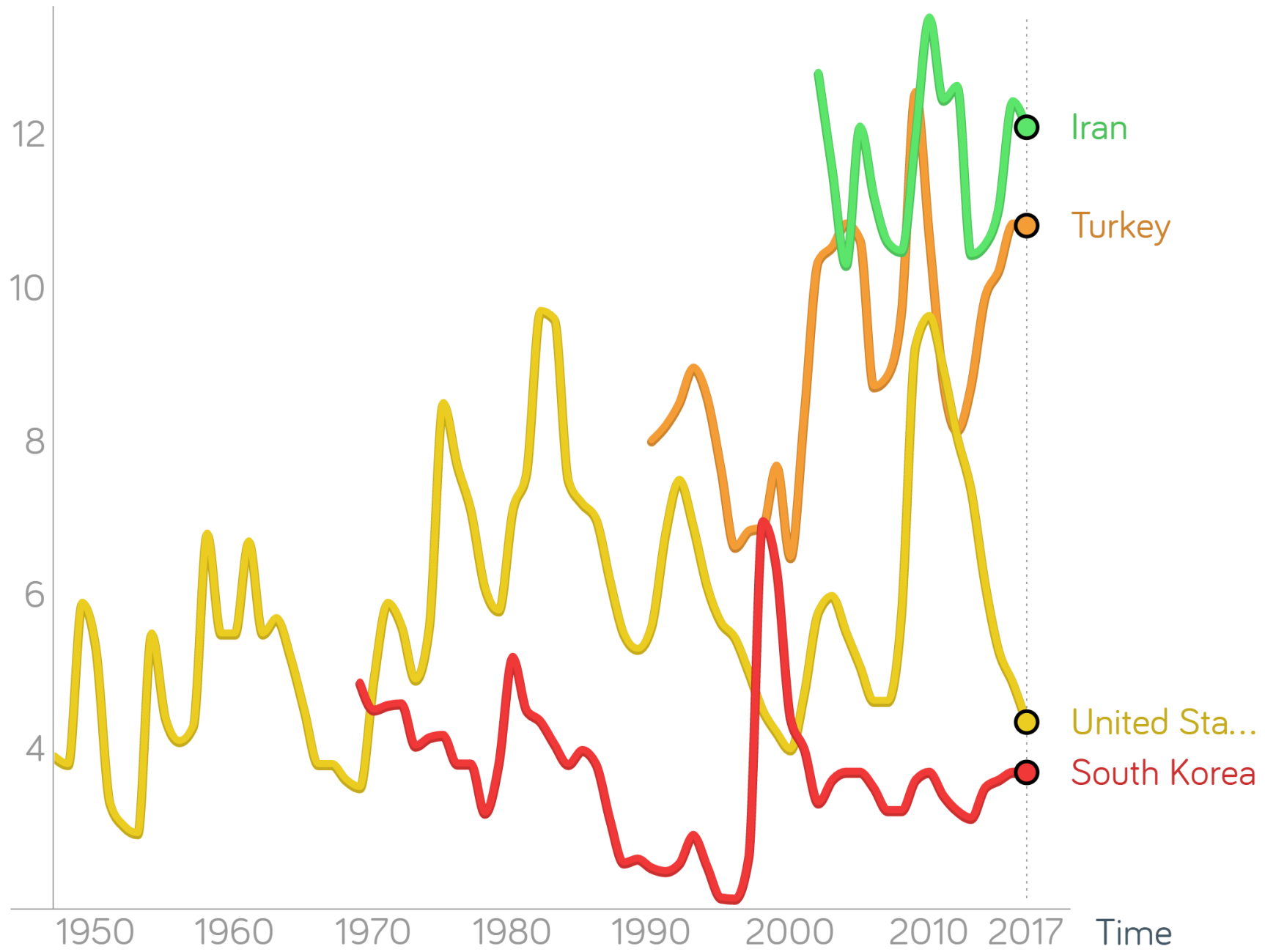






Aged 15+ unemployment rate (\%) ?

▲ DATA DOUBTS



Thanks