

Los retos del crecimiento compartido

Ricardo Hausmann

Guayaquil, 17 de julio de 2019

Asamblea Anual del Grupo BID

Mucho de que preocuparse

- El crecimiento de América Latina
 - Decepcionante
- La informalidad y la desigualdad son altas
 - Limita la cobertura de los sistemas de previsión social
- Que causa todo esto y que debemos hacer para revertirlo?



*Presented to the St Austell Public Library
by Mr. P. H. Smith of St Austell*



AN

INQUIRY

INTO THE

NATURE AND CAUSES

OF THE

WEALTH OF NATIONS.

By ADAM SMITH, L.L. D. F.R.S.

WITH

A LIFE OF THE AUTHOR.

ALSO,

A VIEW OF THE DOCTRINE OF SMITH, COMPARED WITH THAT OF THE
FRENCH ECONOMISTS; WITH A METHOD OF FACILITATING THE
STUDY OF HIS WORKS; FROM THE FRENCH OF M. GARNIER.

IN THREE VOLUMES.

VOL. I.

LONDON:

PRINTED FOR J. MAYNARD, PANTON STREET, HAY-
MARKET; AND F. ZINKE, 448, STRAND.

1811.

Malawi

\$226 per capita



Haiti

\$819 per capita





Morocco

\$3,108 per capita

Poland

\$13,431 per capita

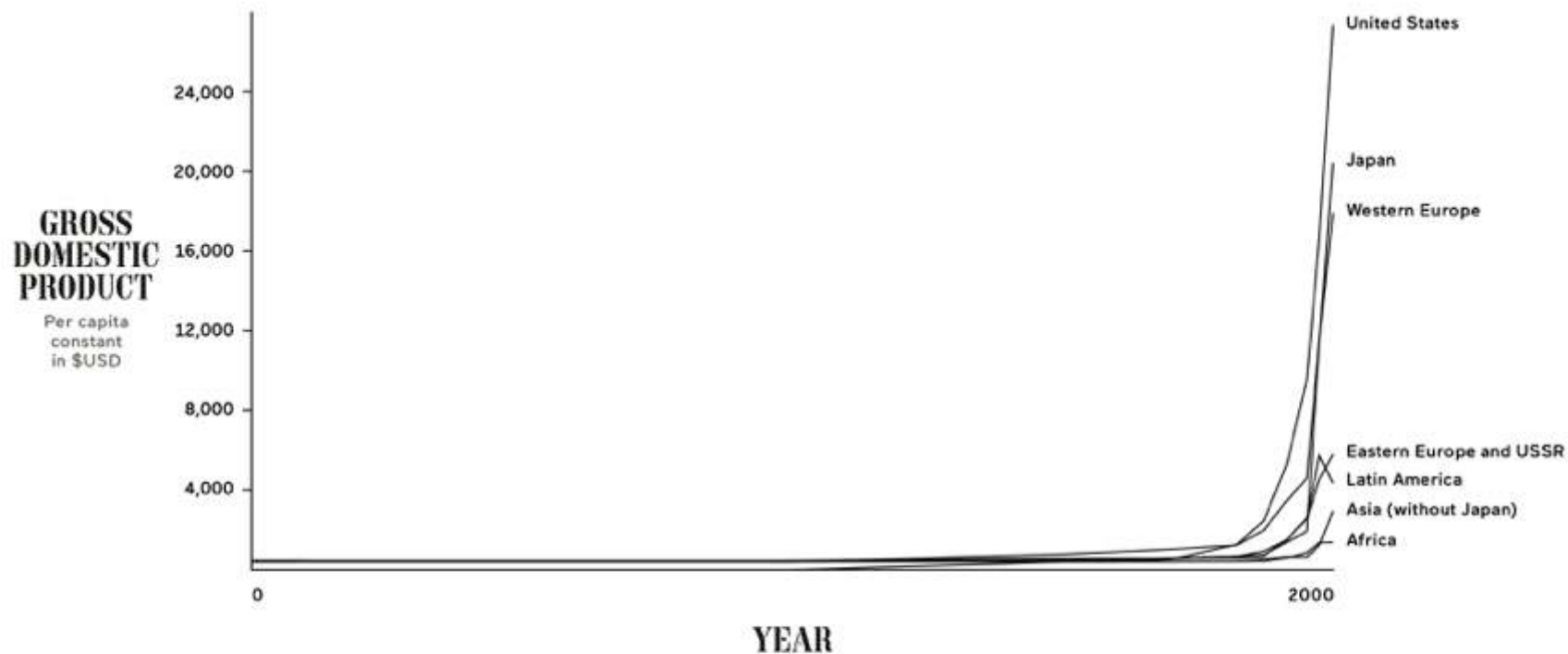


Singapore

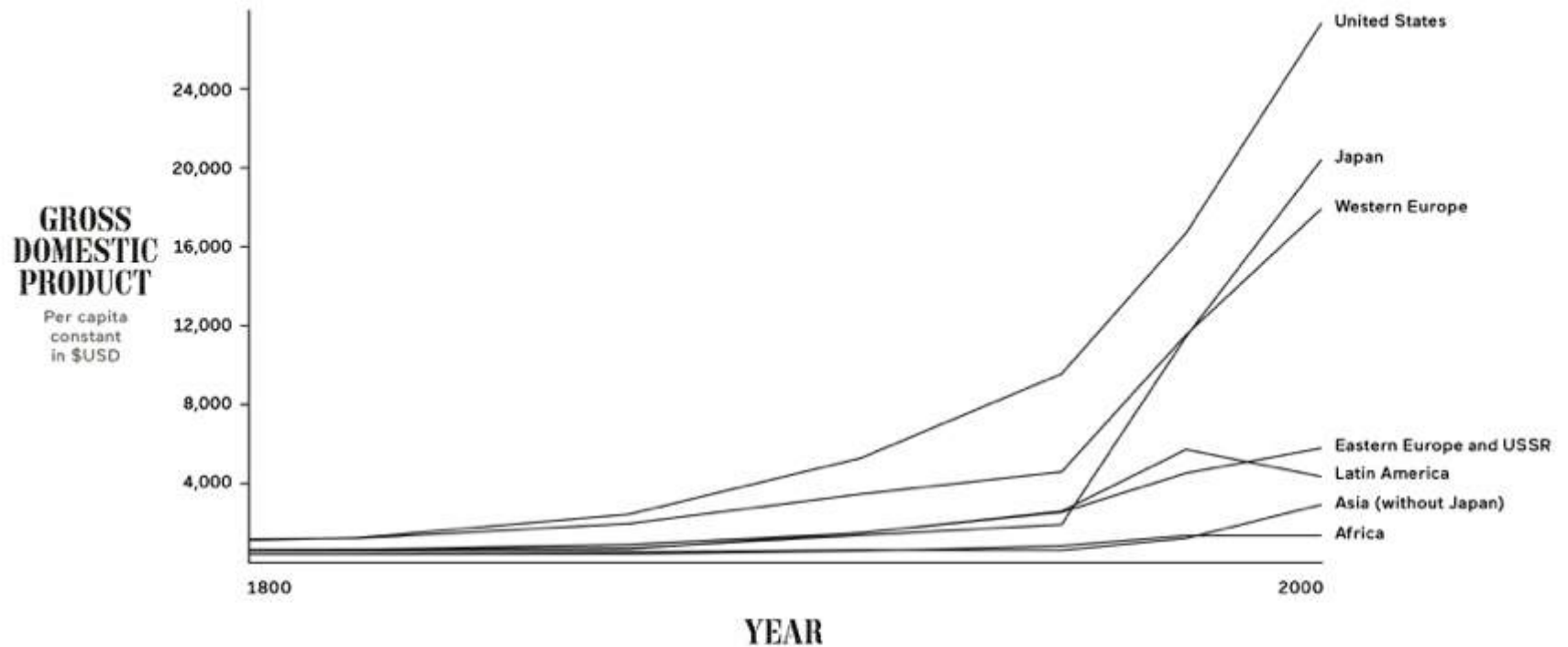
\$55,182 per capita



The Great Acceleration

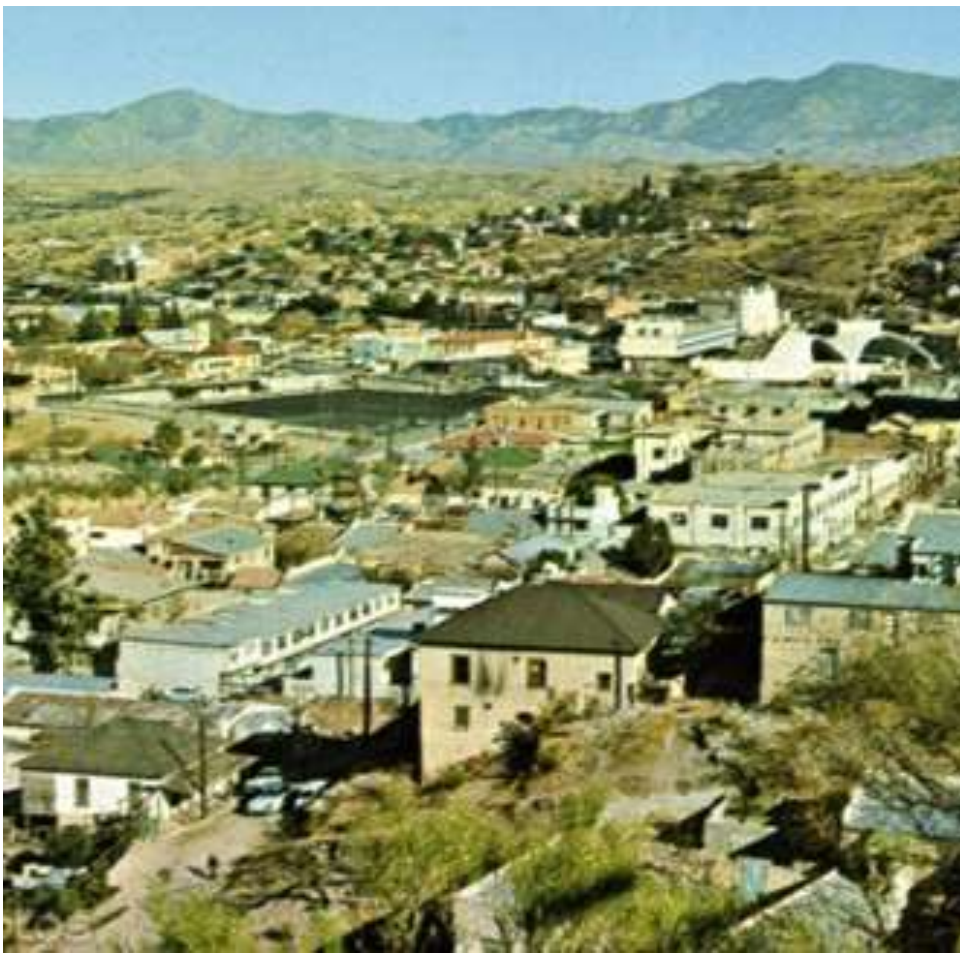


The Great Divergence



Qué hay detrás de
las diferencias de
ingreso?

The two Nogales



Nogales, Mexico



Nogales, Arizona

Guerrero

\$5,281 per capita



Sinaloa

\$10,945 per capita



Guanajuato

\$20,827 per capita



Nuevo Leon

\$42,281 per capita



Diferencias de productividad que ocurren con

- ...un mismo marco legal federal
- ...un mismo sistema judicial federal
- ...un mismo sistema de representación política
- ...un mismo tipo de cambio
- ...una misma tasa de interés
-un mismo contexto macroeconómico
-una misma arquitectura financiera

Que haces cuando te duele una muela?



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It takes a great coder to serve 400 million users.
Sign up for the October 2011 coding challenge now.



Endodontic therapy

From Wikipedia, the free encyclopedia

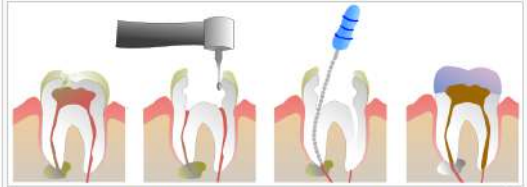
Endodontic therapy is a sequence of treatment for the [pulp](#) of a [tooth](#) which results in the elimination of infection and protection of the decontaminated tooth from future [microbial invasion](#). This set of procedures is commonly referred to as a "[root canal](#)." [Root canals](#) and their associated [pulp chamber](#) are the physical hollows within a tooth that are naturally inhabited by [nerve tissue](#), [blood vessels](#) and other [cellular](#) entities. Endodontic therapy involves the *removal* of these structures, the subsequent cleaning, shaping, and decontamination of the hollows with tiny files and irrigating solutions, and the *obturation* (filling) of the decontaminated canals with an inert filling such as [gutta percha](#) and typically a [eugenol-based cement](#).

After endodontic surgery the tooth will be "dead," and if an infection is spread at apex, [root end surgery](#) is required.

Although the procedure is relatively painless when done properly^{[*[citation needed](#)*]}, the root canal remains a stereotypically fearsome dental operation, and, in the United States, a common response to an unpleasant proposal is, "I'd rather have a root canal."

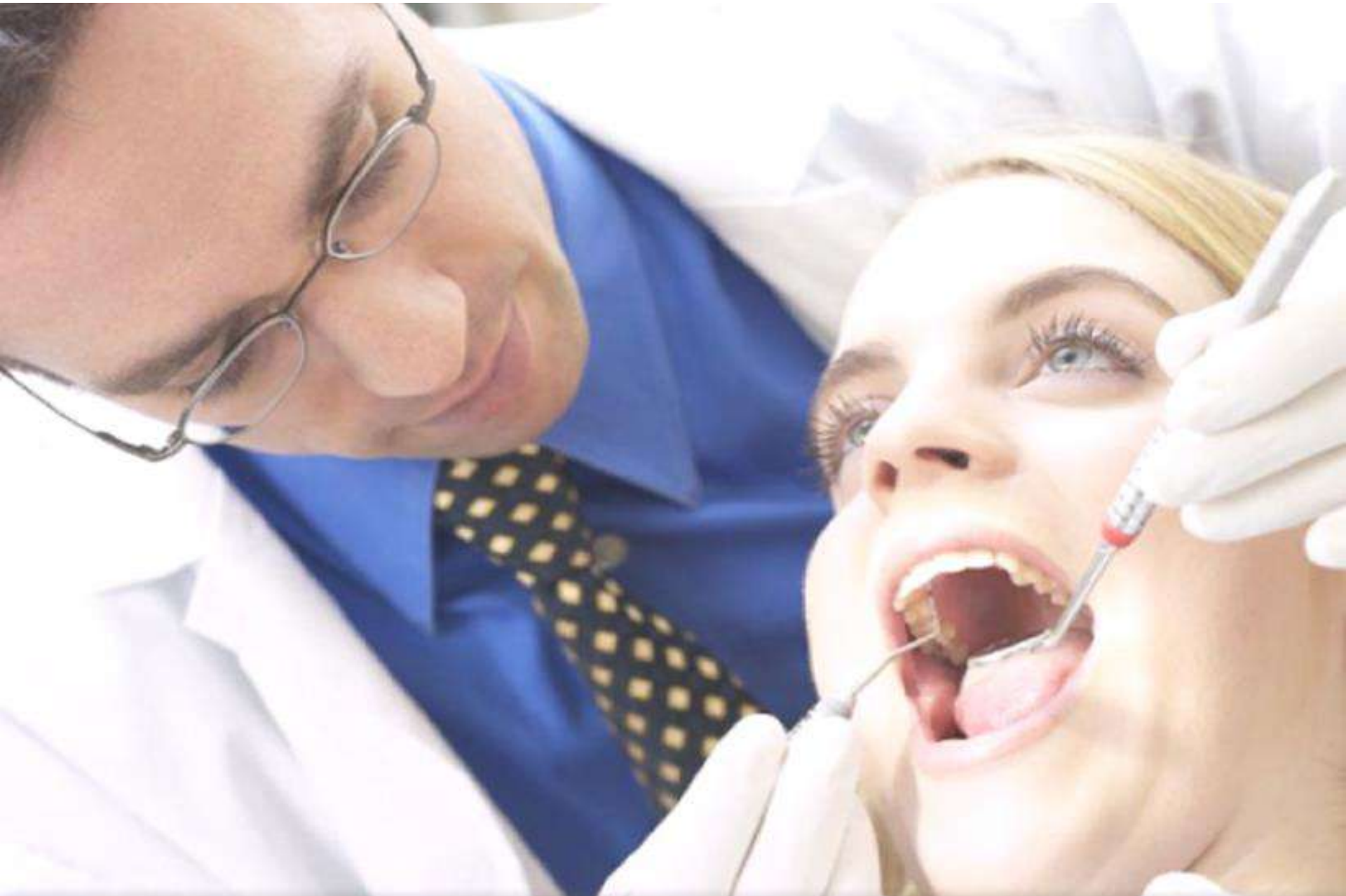
Contents [hide]

- 1 Root canal treatment
- 2 Innovation
- 3 Procedural accidents
- 4 Success and prognosis
- 5 Systemic issues
- 6 Alternatives to root canal treatment
- 7 See also
- 8 References
- 9 External links



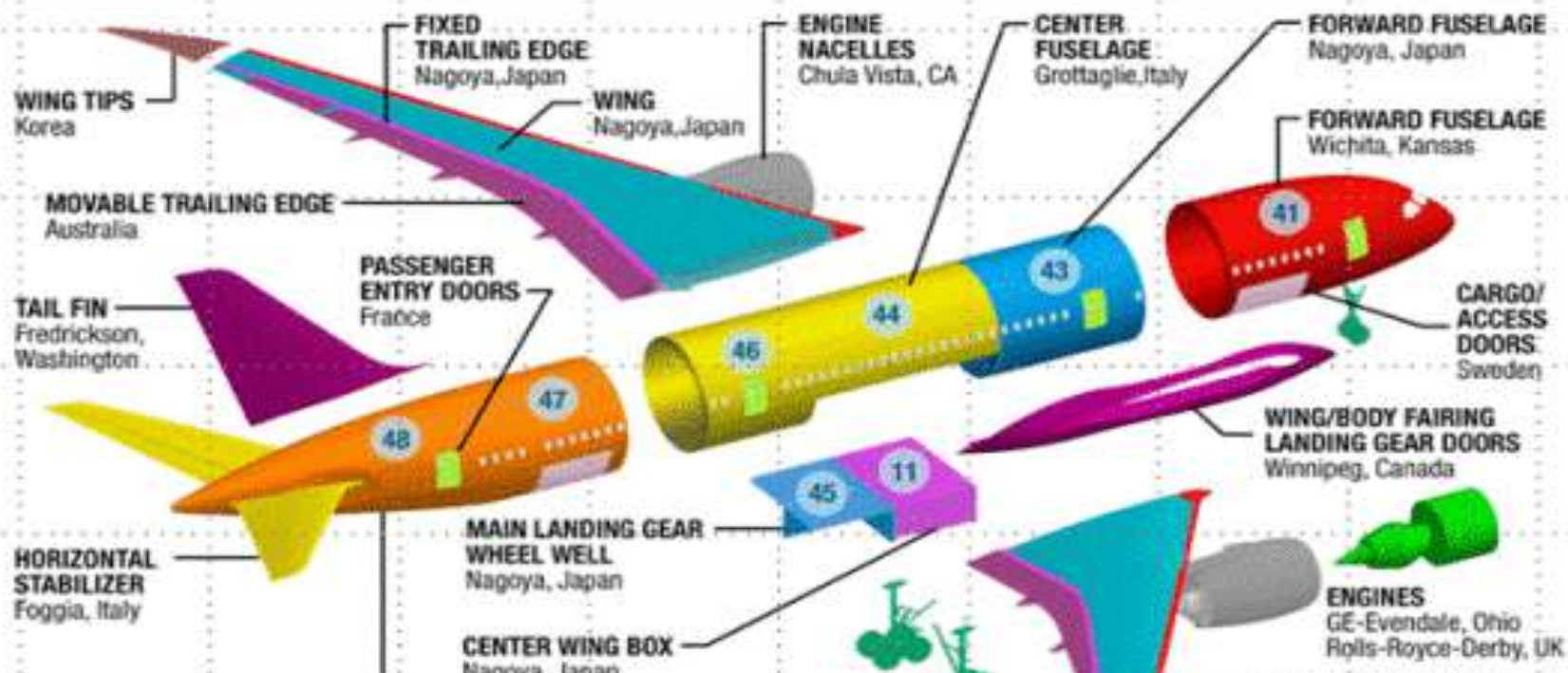
Root canal procedure: unhealthy or injured tooth, drilling and cleaning, [tilling](#) with [endofile](#), rubber filling and [crown](#)

Que haces cuando te duele una muela?



THE COMPANIES

U.S.	CANADA	AUSTRALIA	JAPAN	KOREA	EUROPE
Boeing	Boeing	Boeing	Kawasaki	KAL-ASD	Messier-Dowty
Spirit	Messier-Dowty		Mitsubishi		Rolls-Royce
Vought			Fuji		Latecoere
GE					Alenia
Goodrich					Saab





La Teoría de Scrabble del Desarrollo Económico



a



a
at

cat
act



a
at
cat

art
rat
car

act
tar
cart



cilantros
 contrails
 gnostical
 nostalgic
 triclosan
 agnostic
 antilogs
 calorist
 cantor's
 carlings
 caroling
 castling
 catlings
 cilantro

clangors
 clarinos
 clarions
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 coatings
 congrats
 contrail
 cortinas
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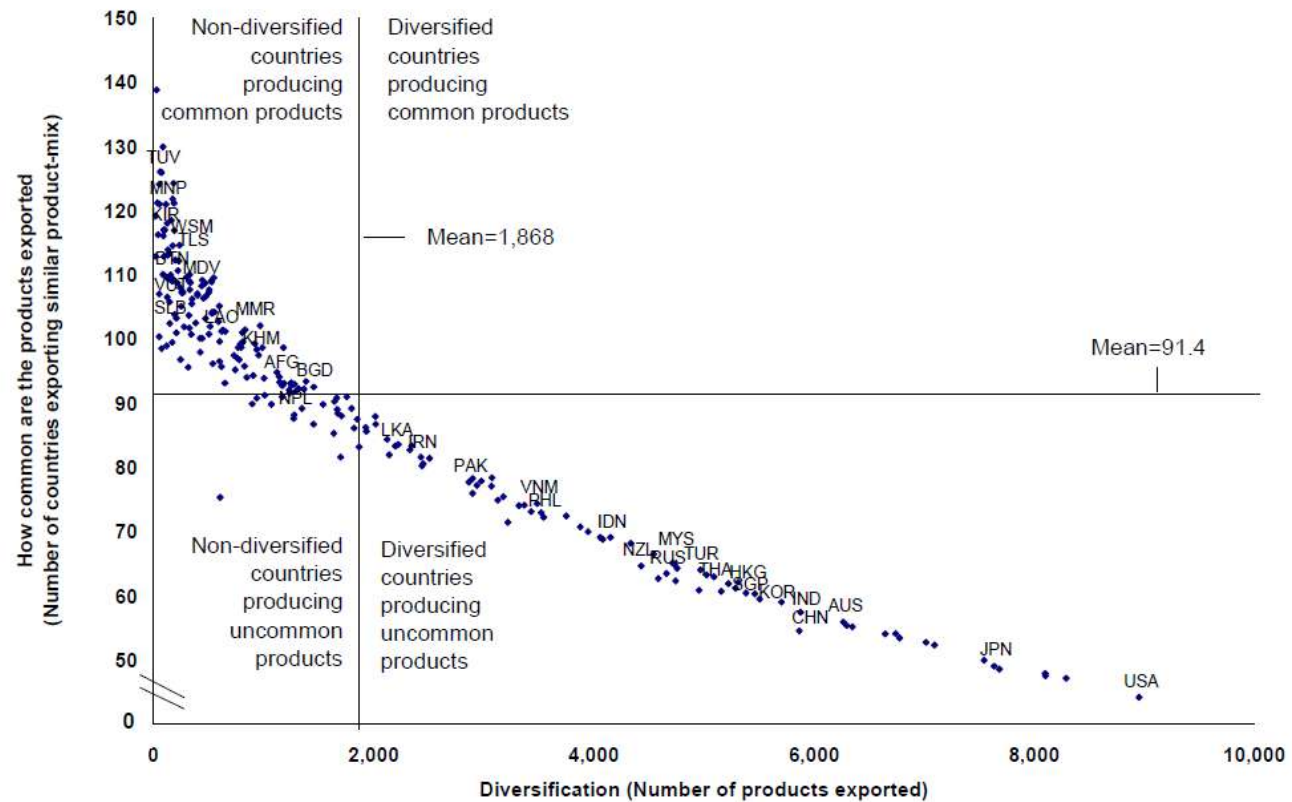
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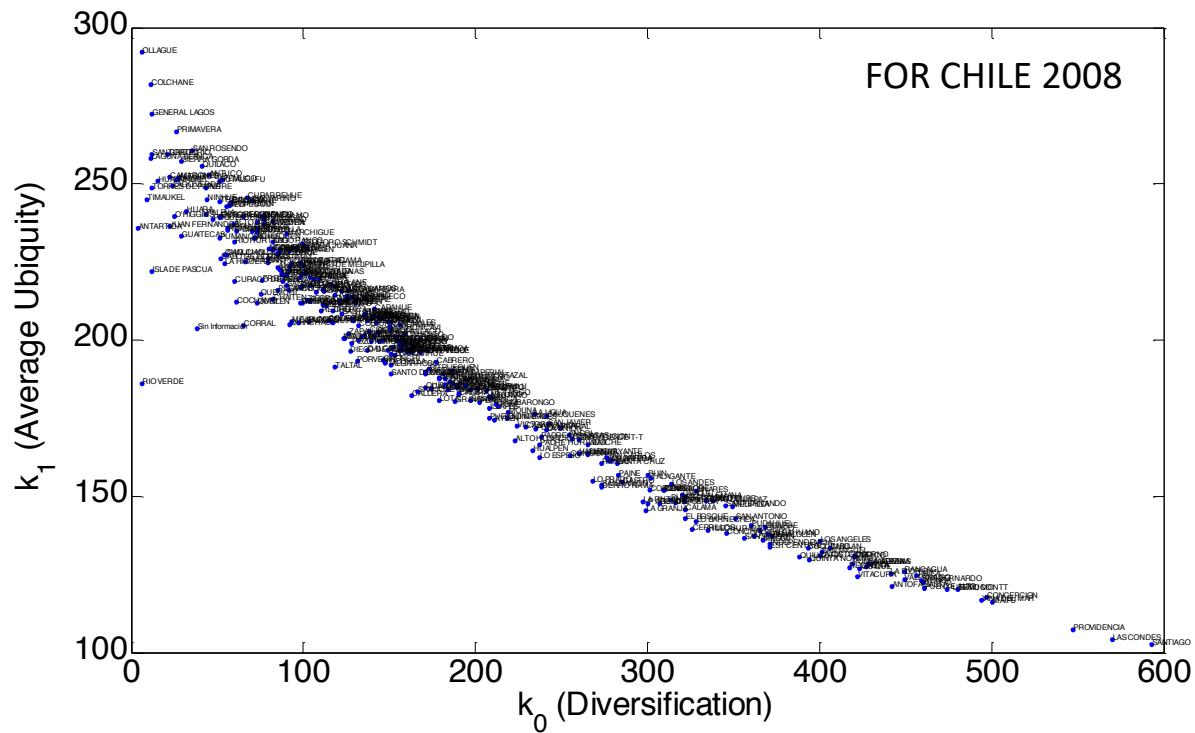
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garcons
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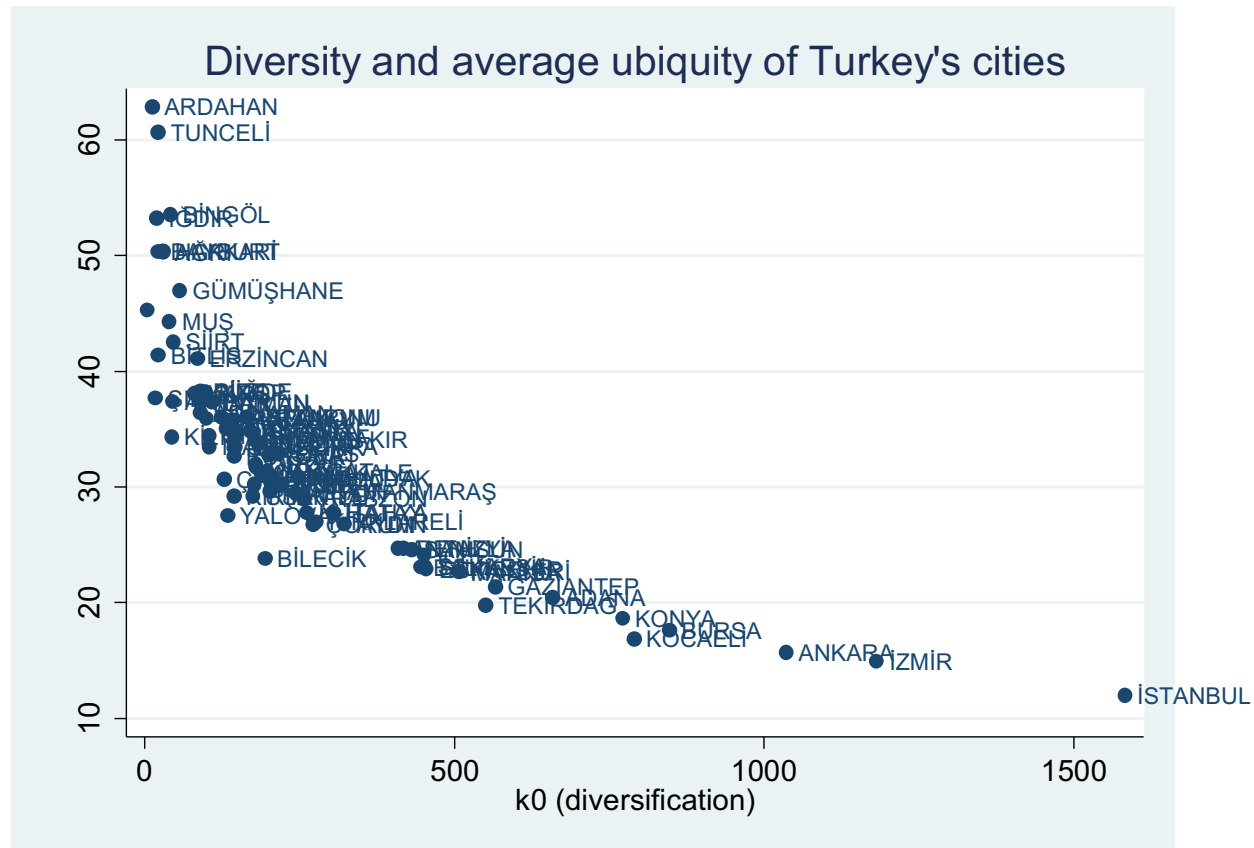
Ubicuidad vs. diversificación



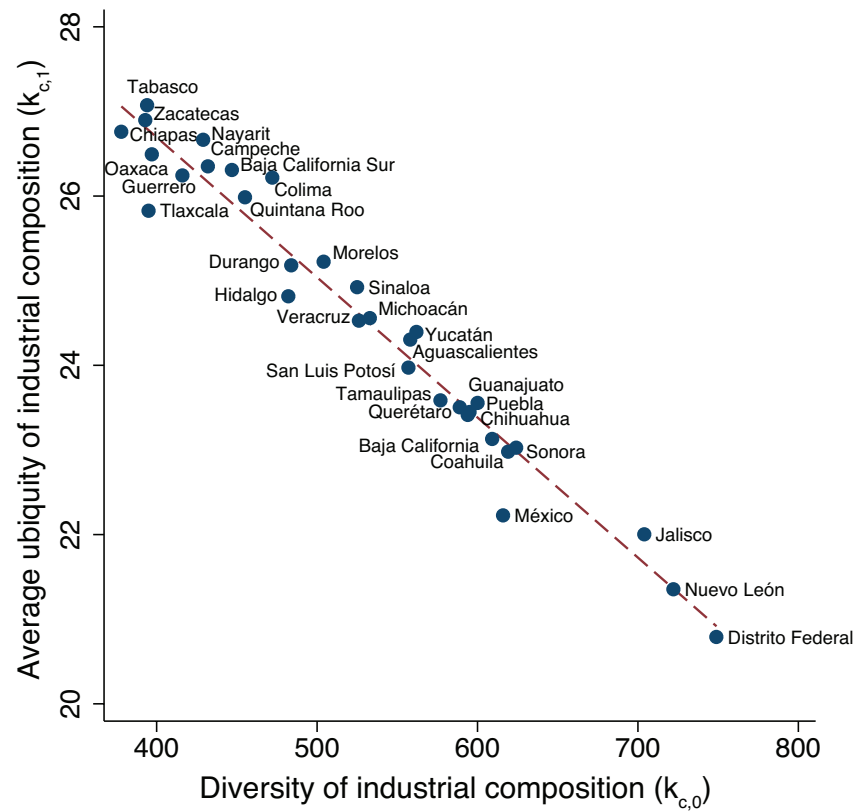
Municipalidades en Chile



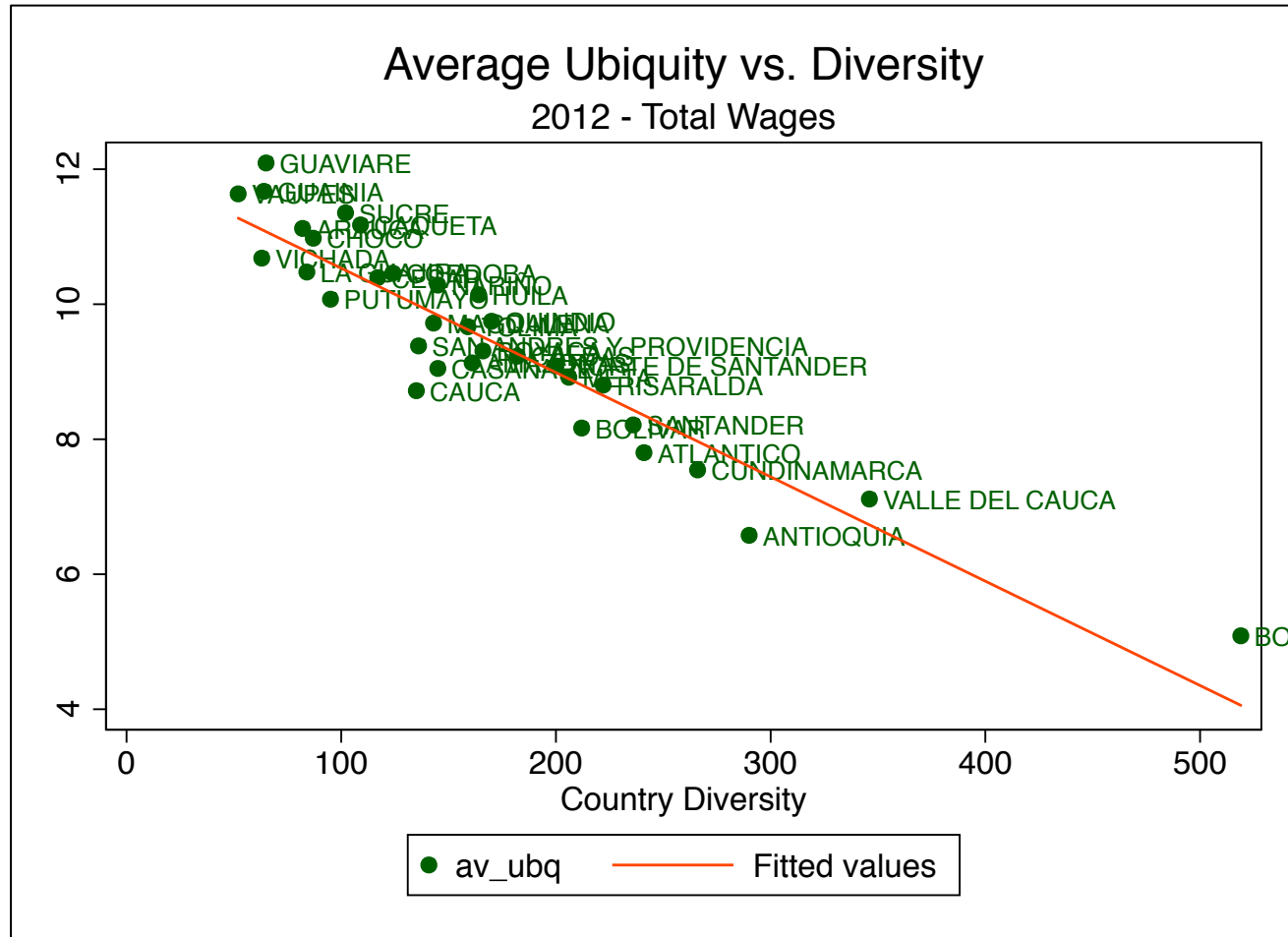
Ciudades en Turquía



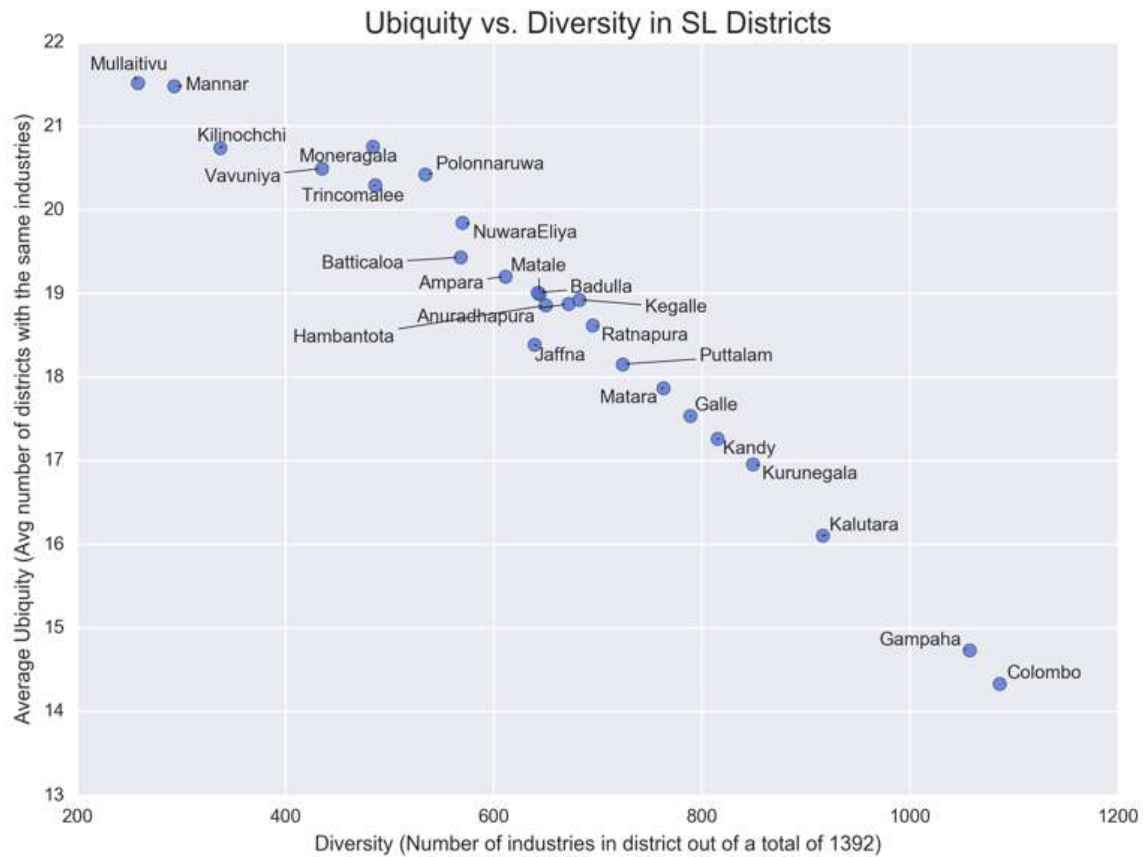
Estados Mexicanos



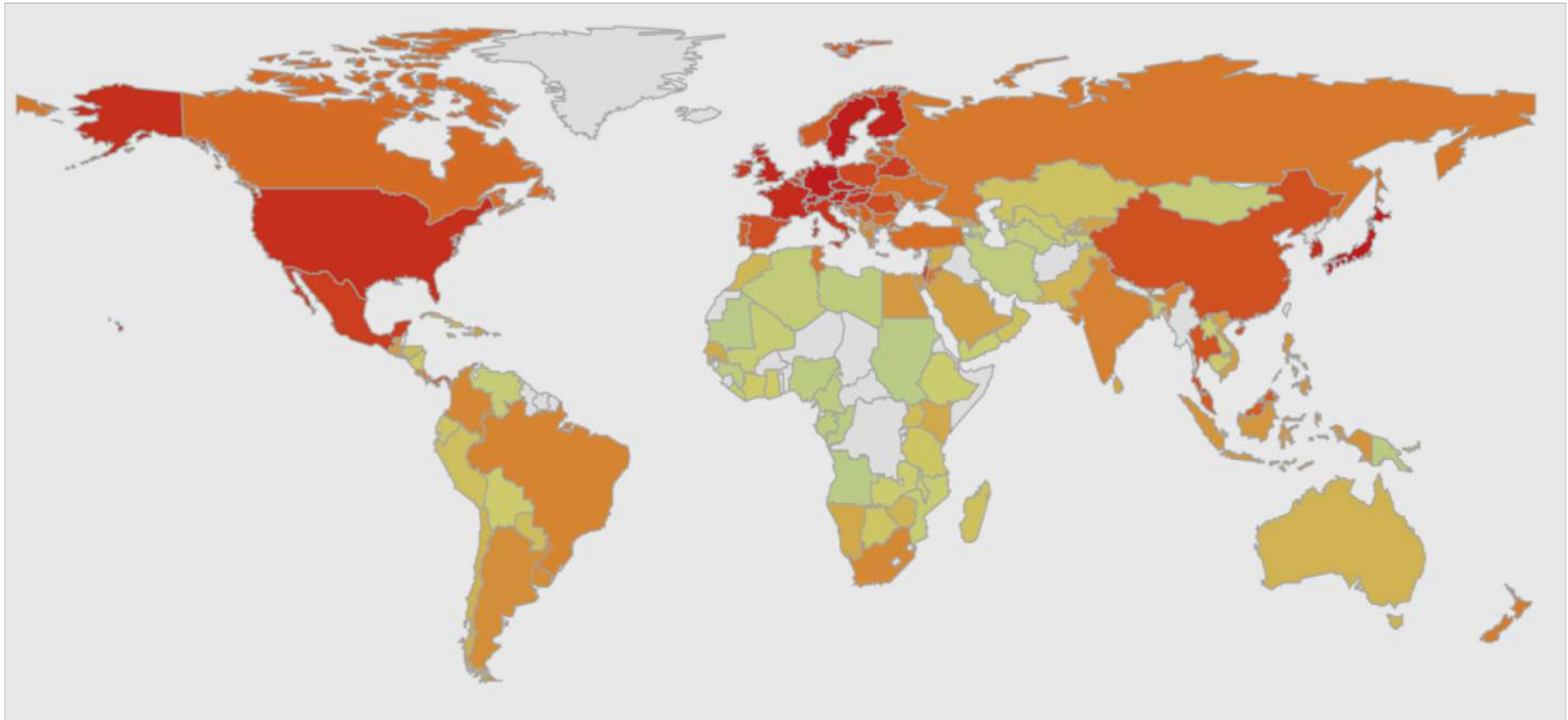
Departamentos en Colombia



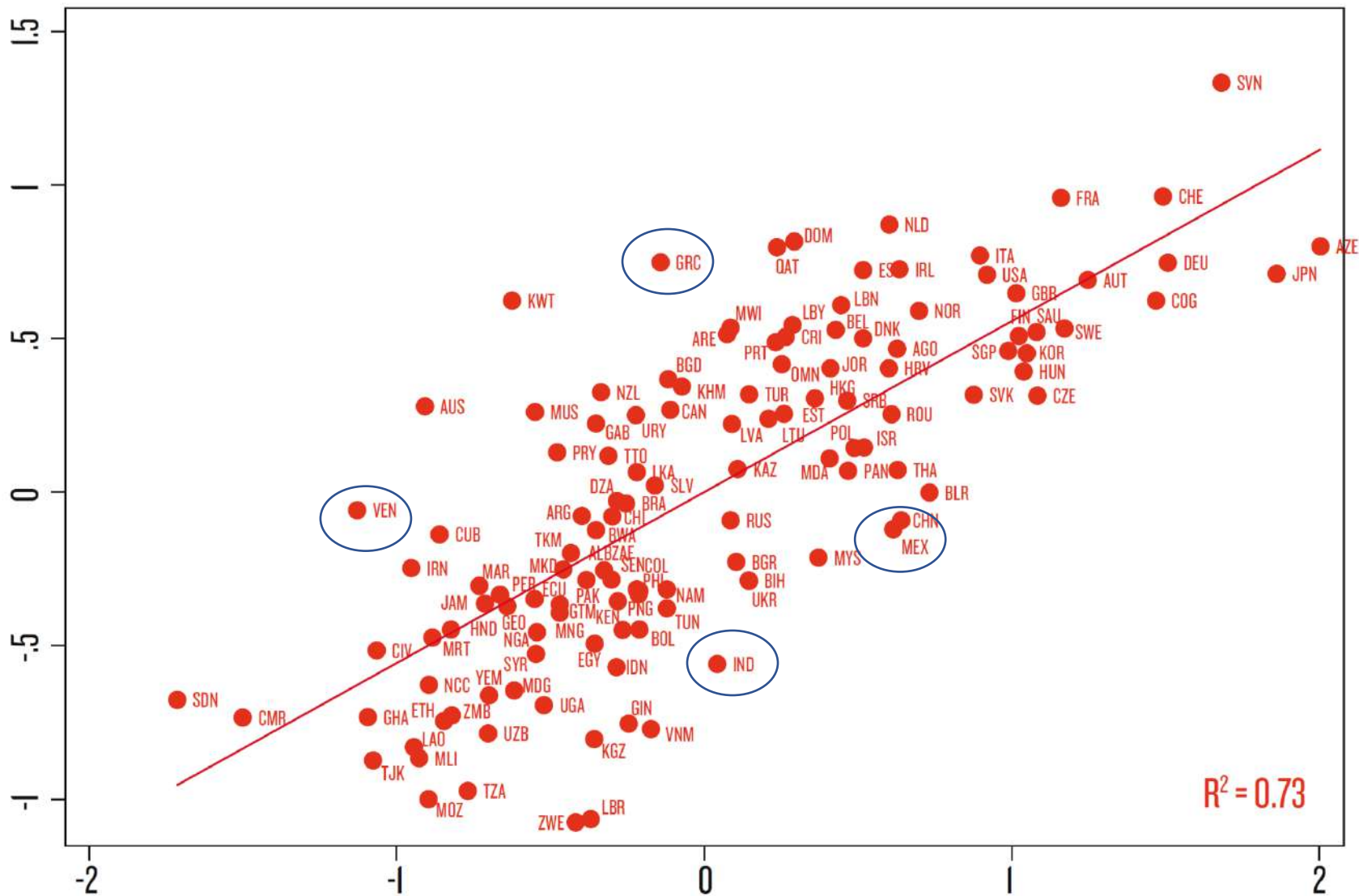
Distritos en Sri Lanka



Índice de complejidad económica



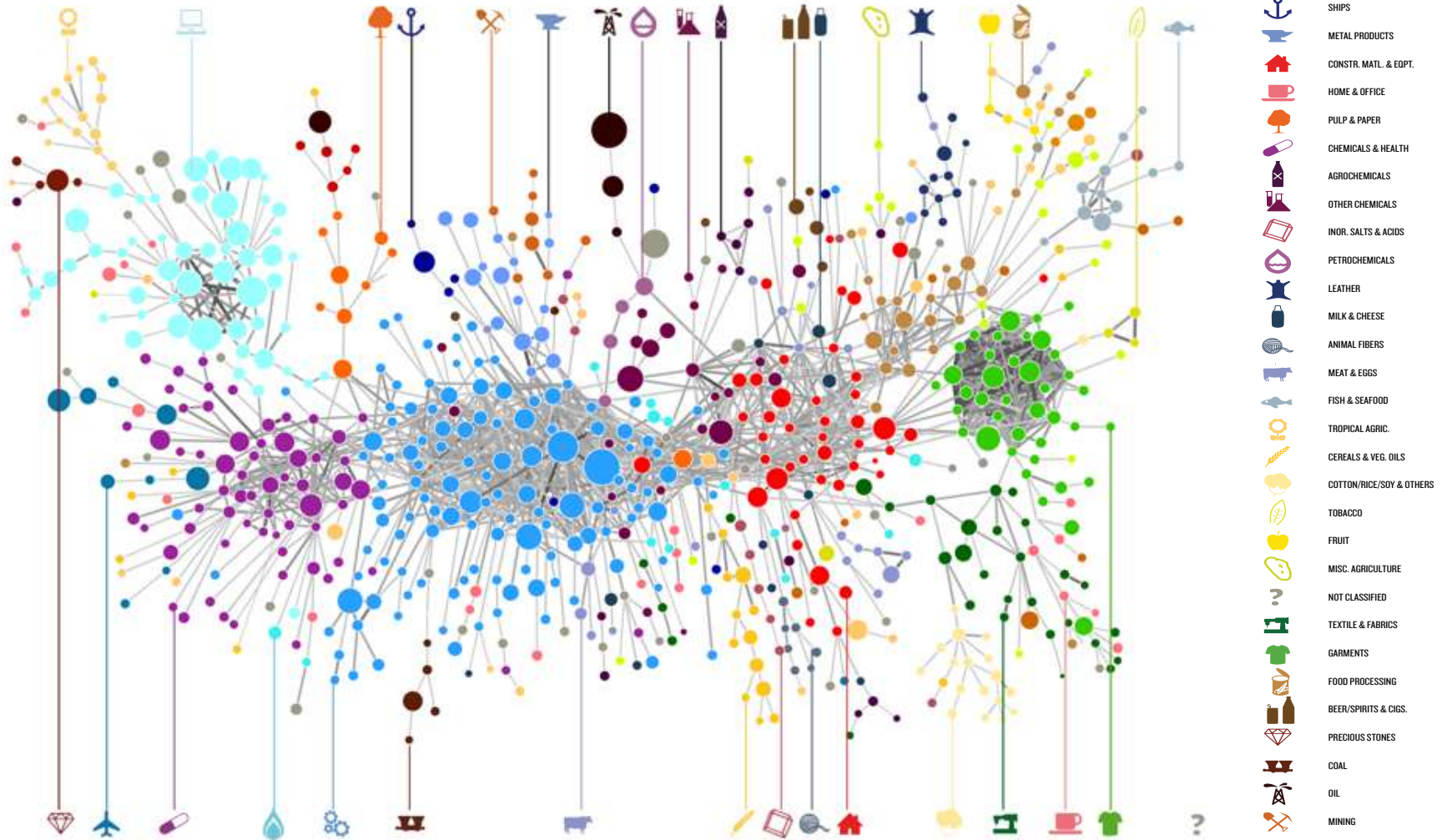
Income per capita controlling for initial income and proportion
of natural resource exports per capita in logs [2008]



Economic Complexity Index controlling for initial income and proportion
of natural resource exports per capita in logs [2008]

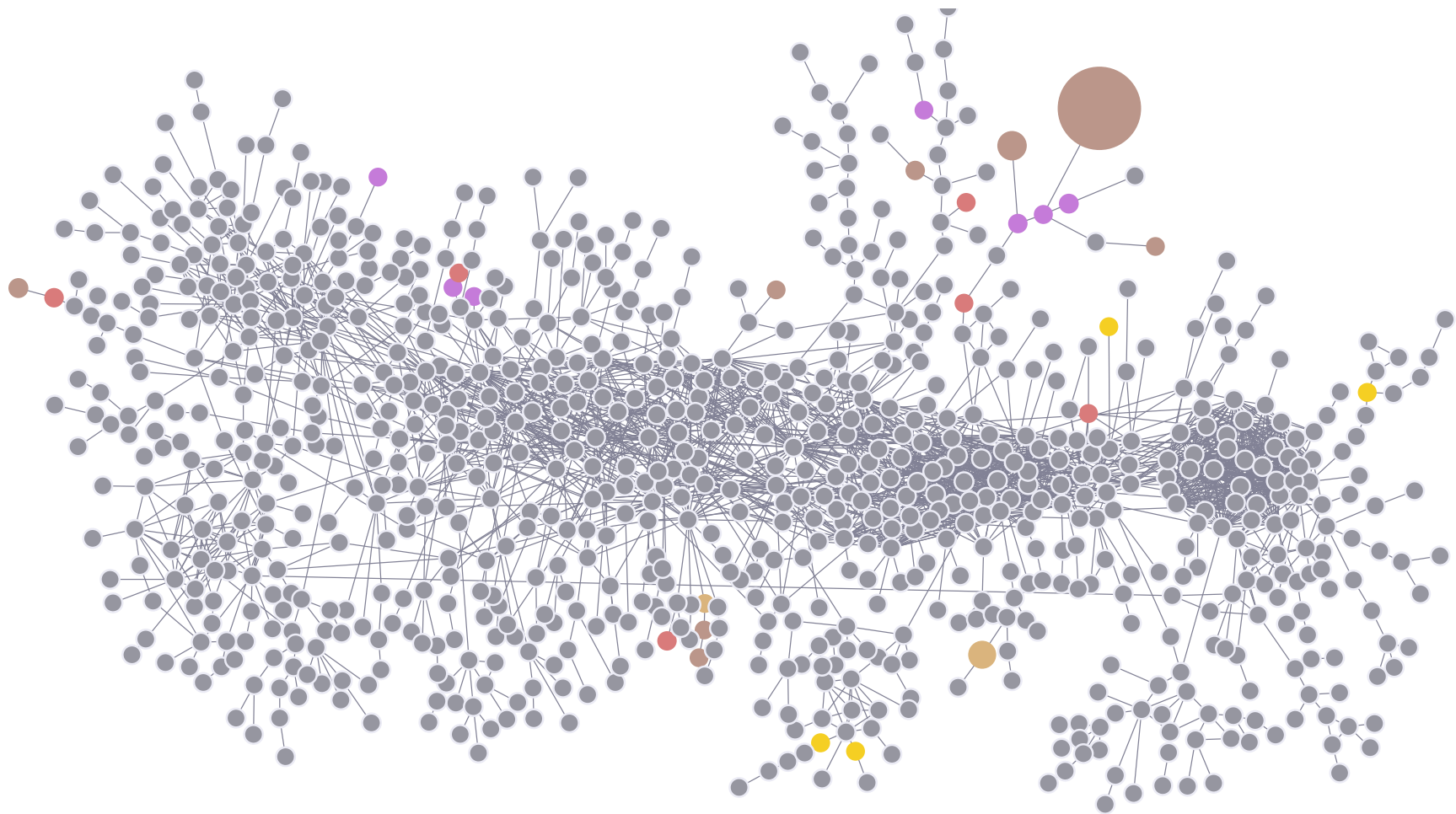
Como
acumular
letras?

El Espacio de Productos



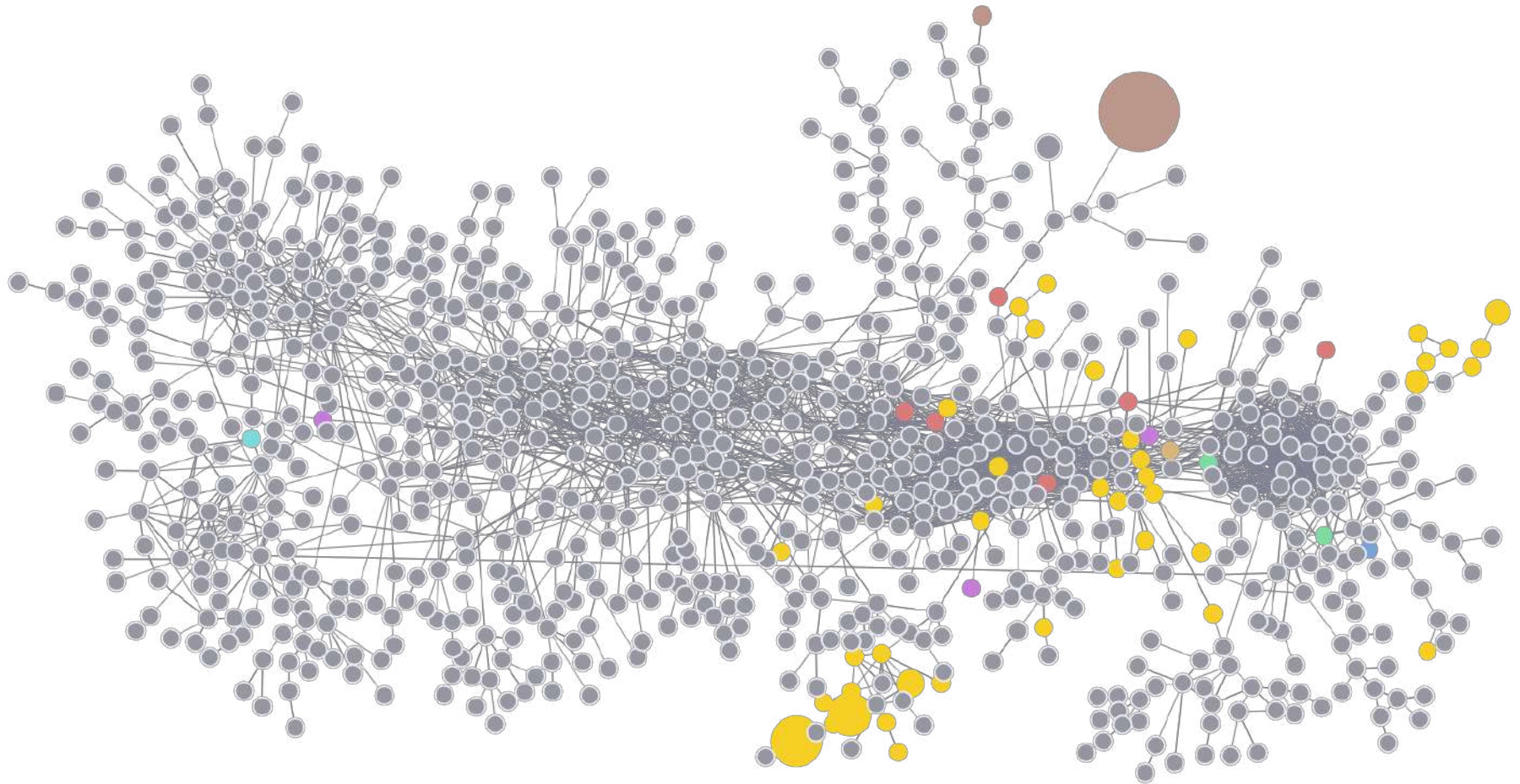


Venezuela

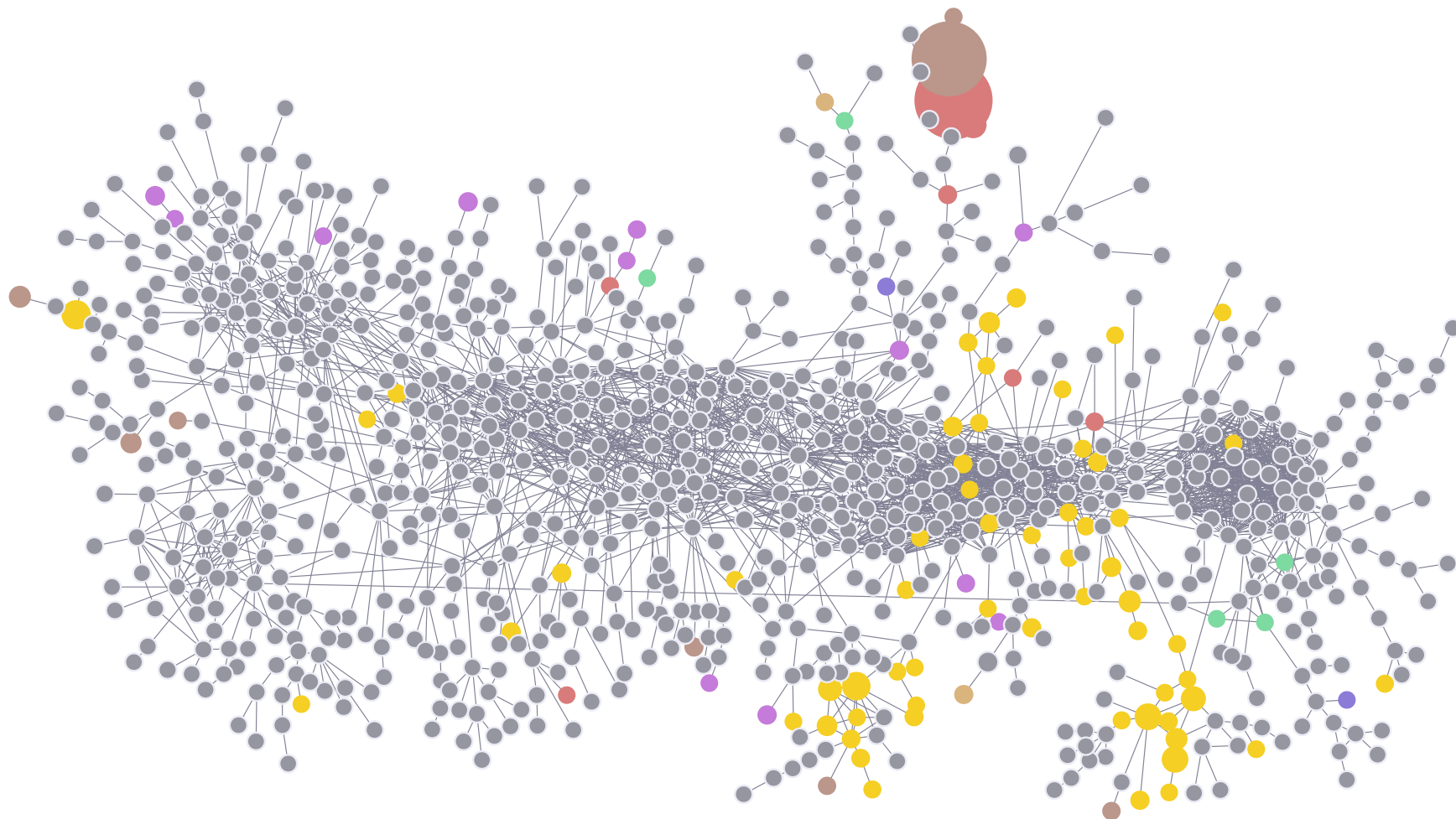


Ecuador 2017

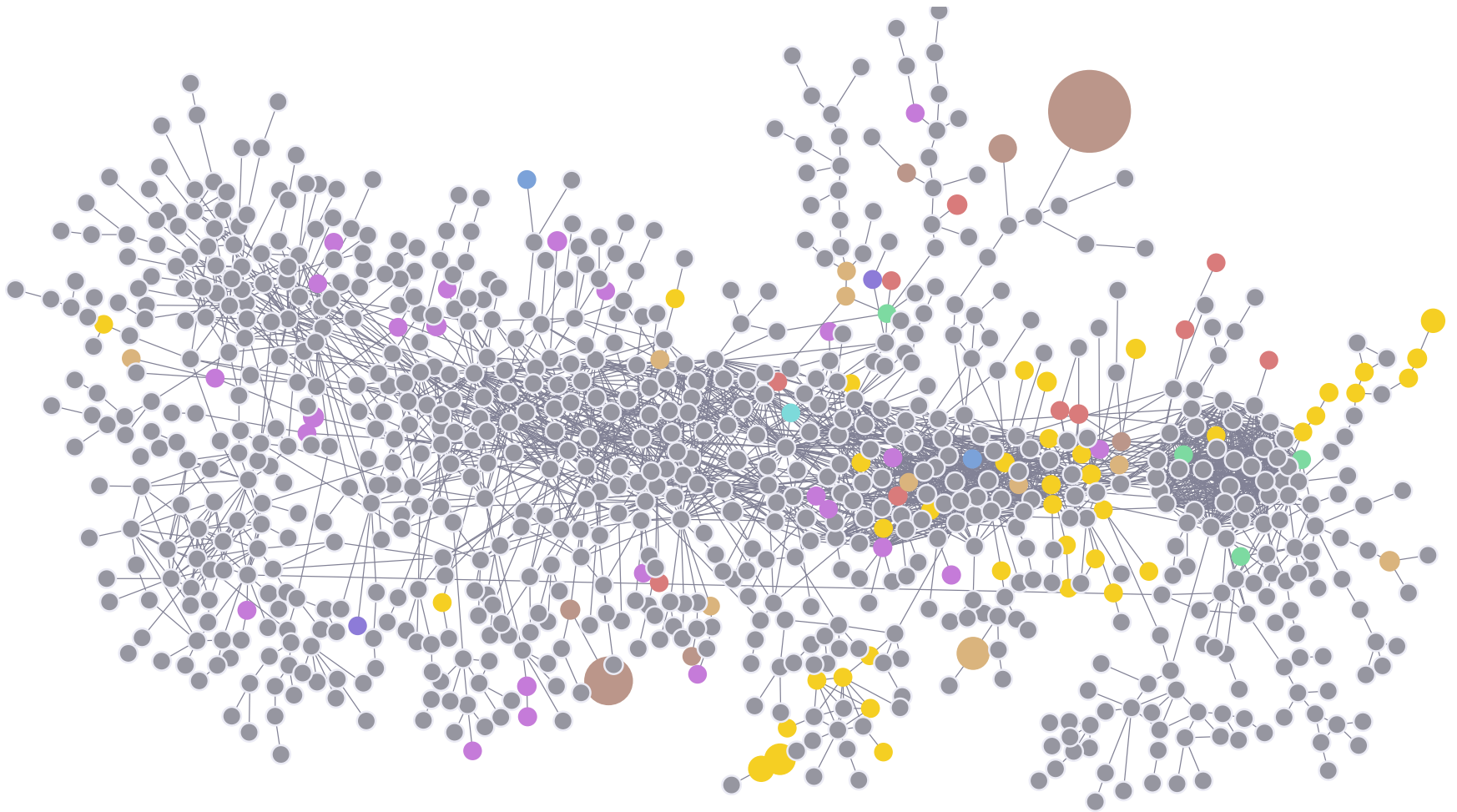
\$24.3B



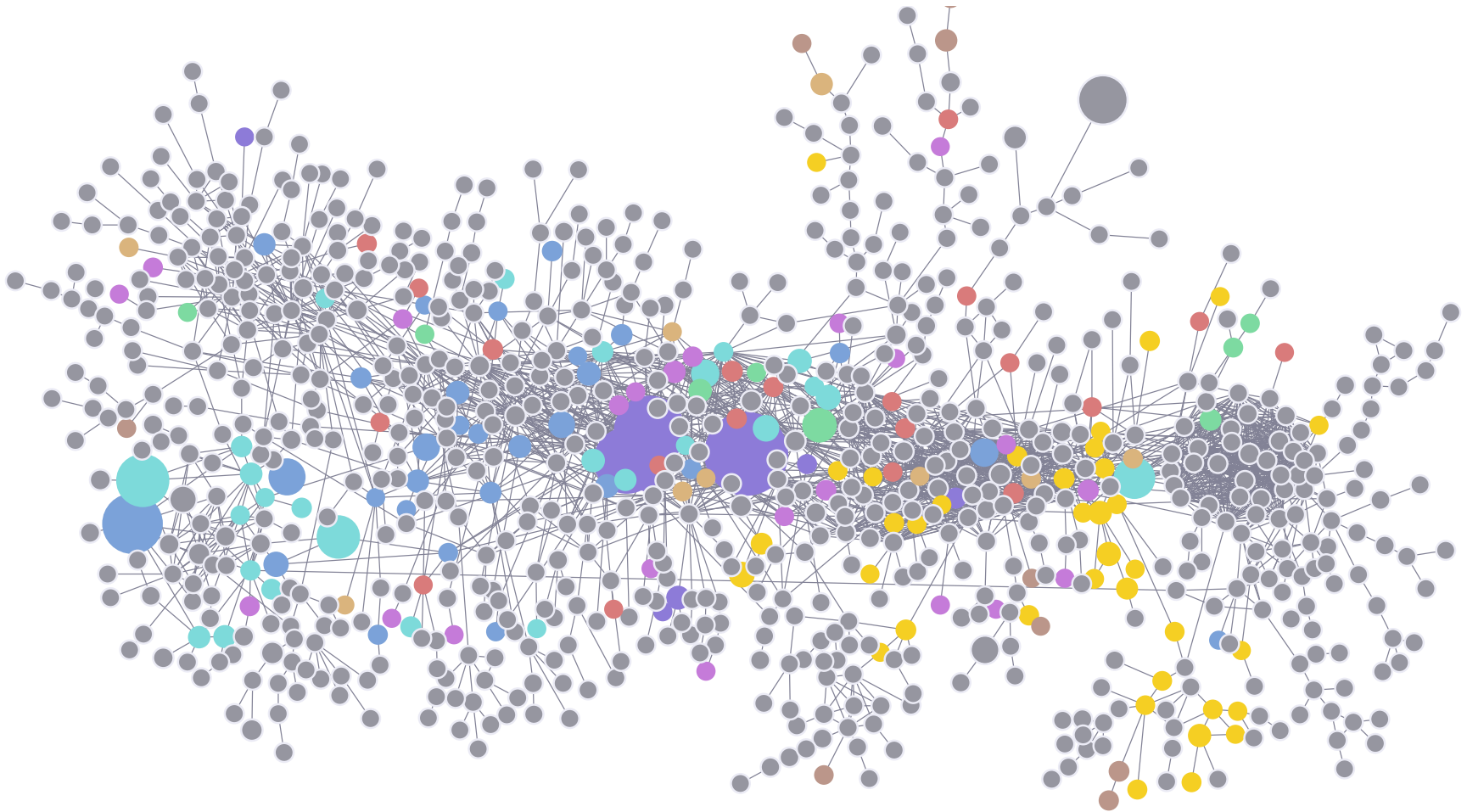
Chile



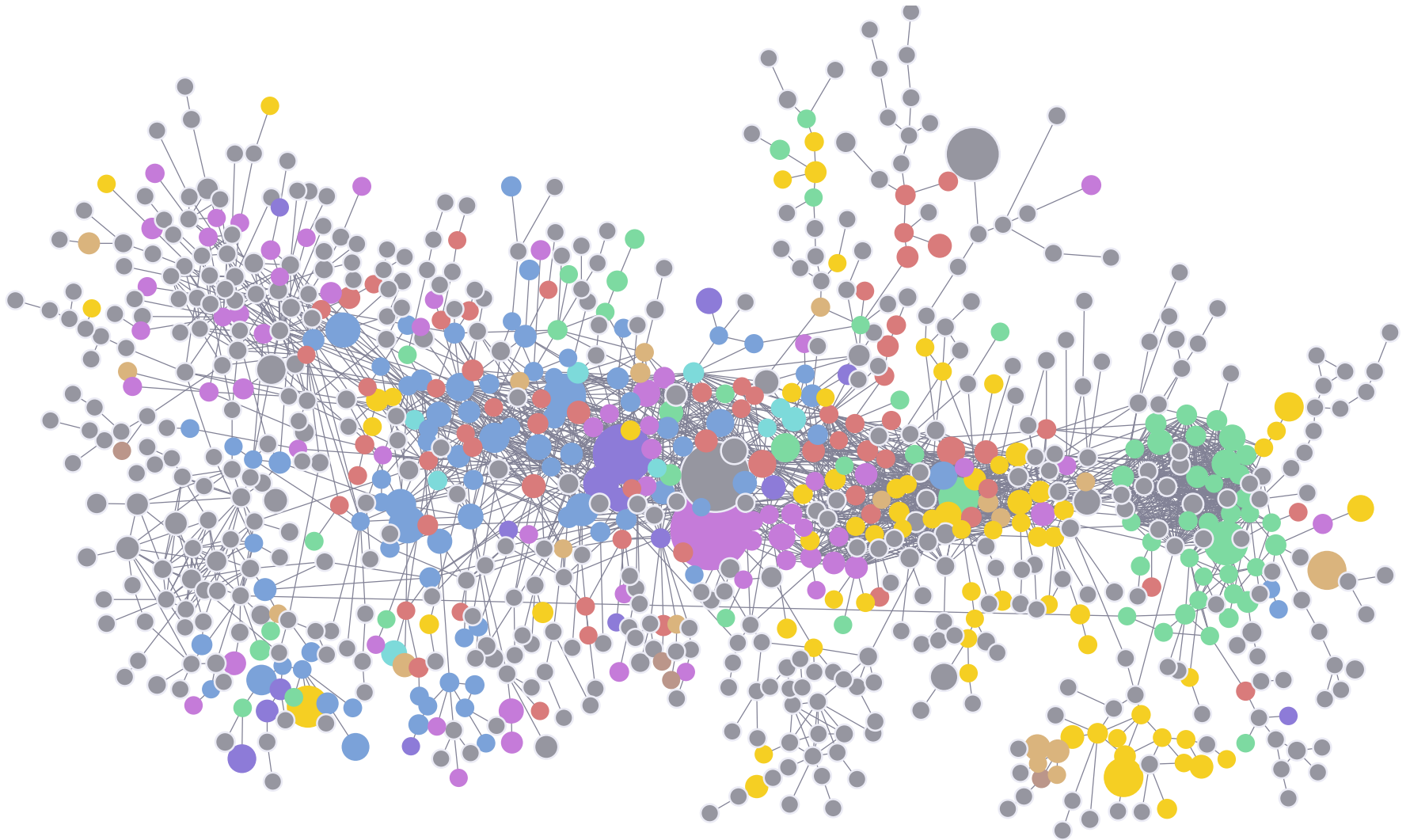
Colombia



Mexico



Italia

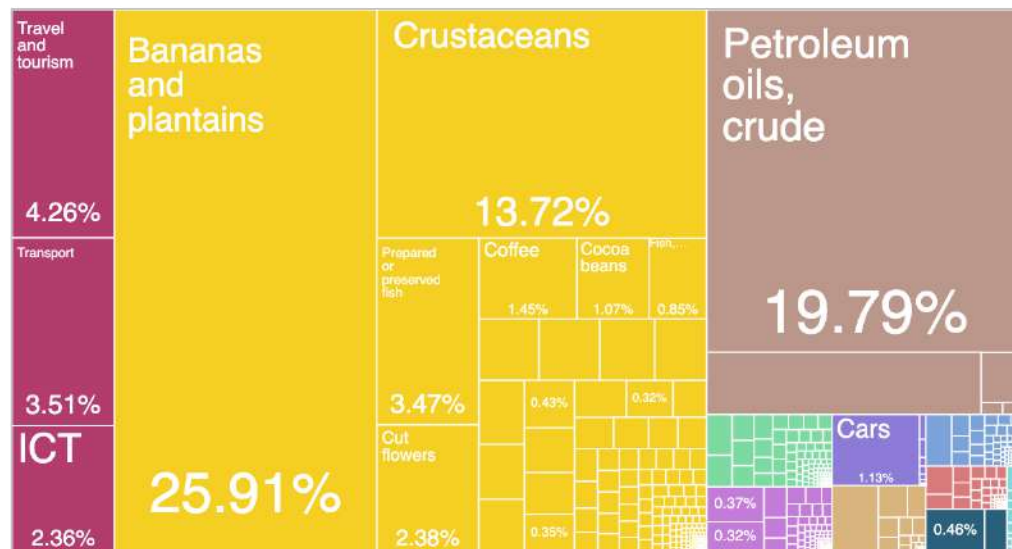


Como se mueven
los monos?

Ecuador

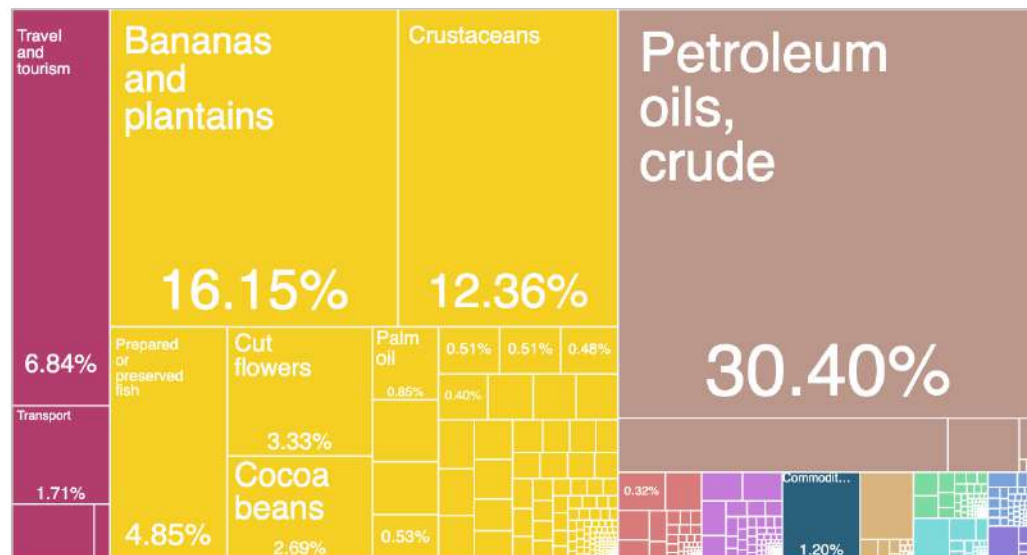
1997
6.8 MM

\$6.81B



2017
24.3 MM\$

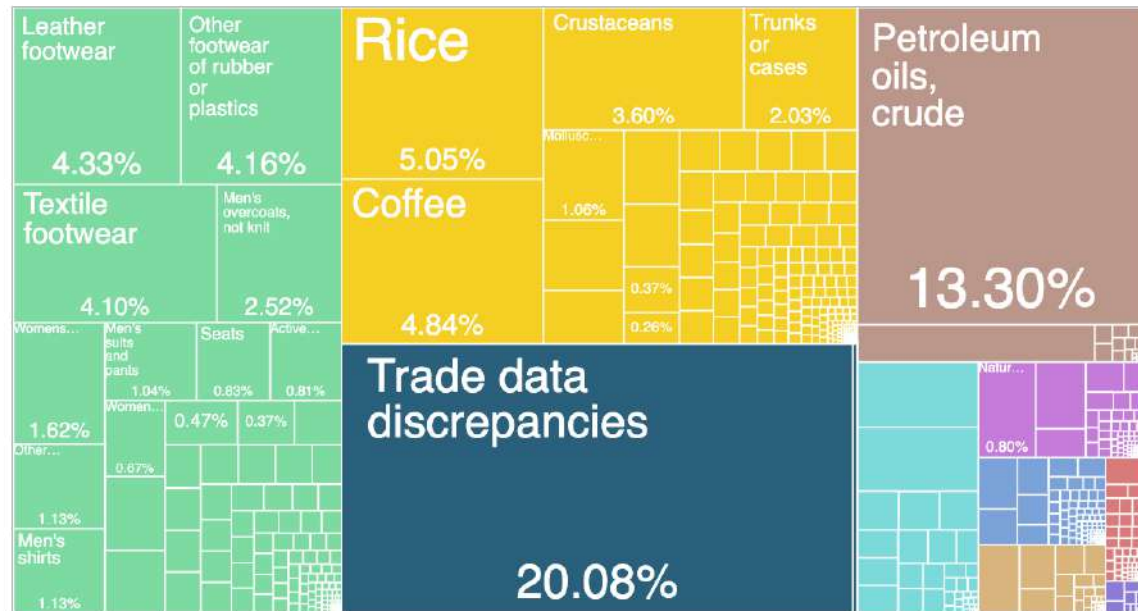
\$24.3B



Vietnam

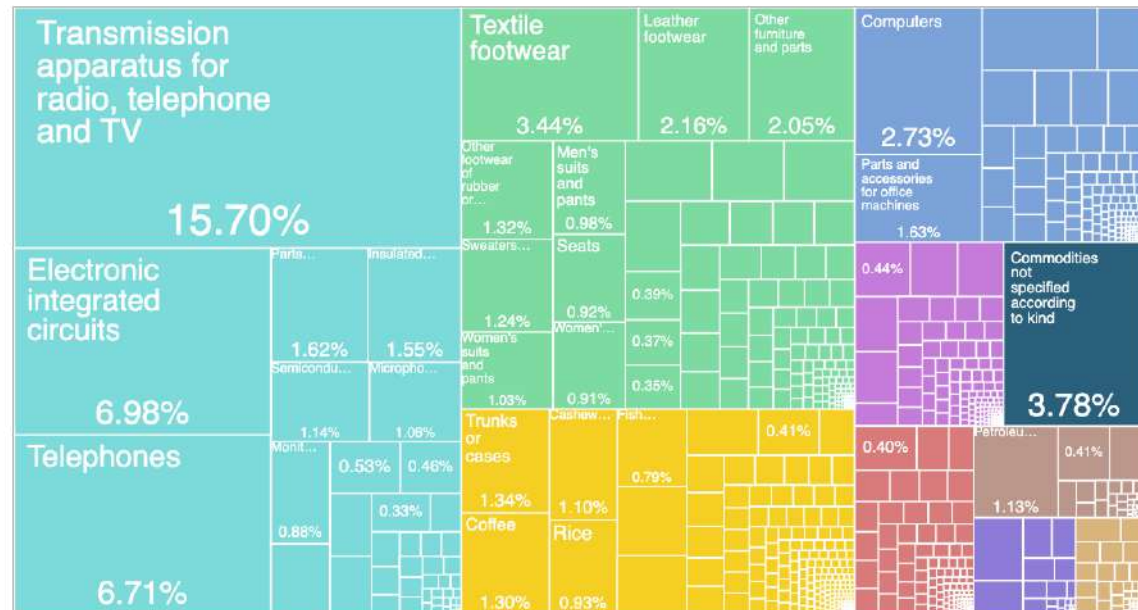
\$10.8B

1997
10.8 MM



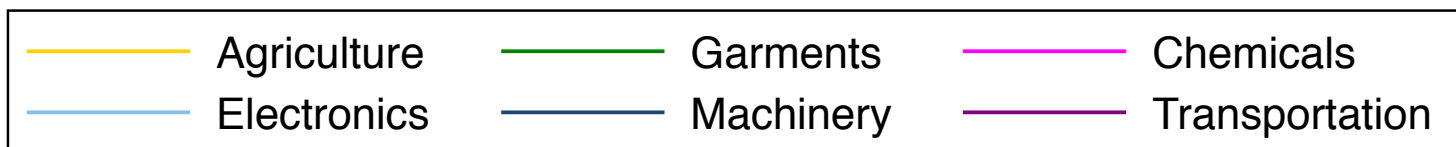
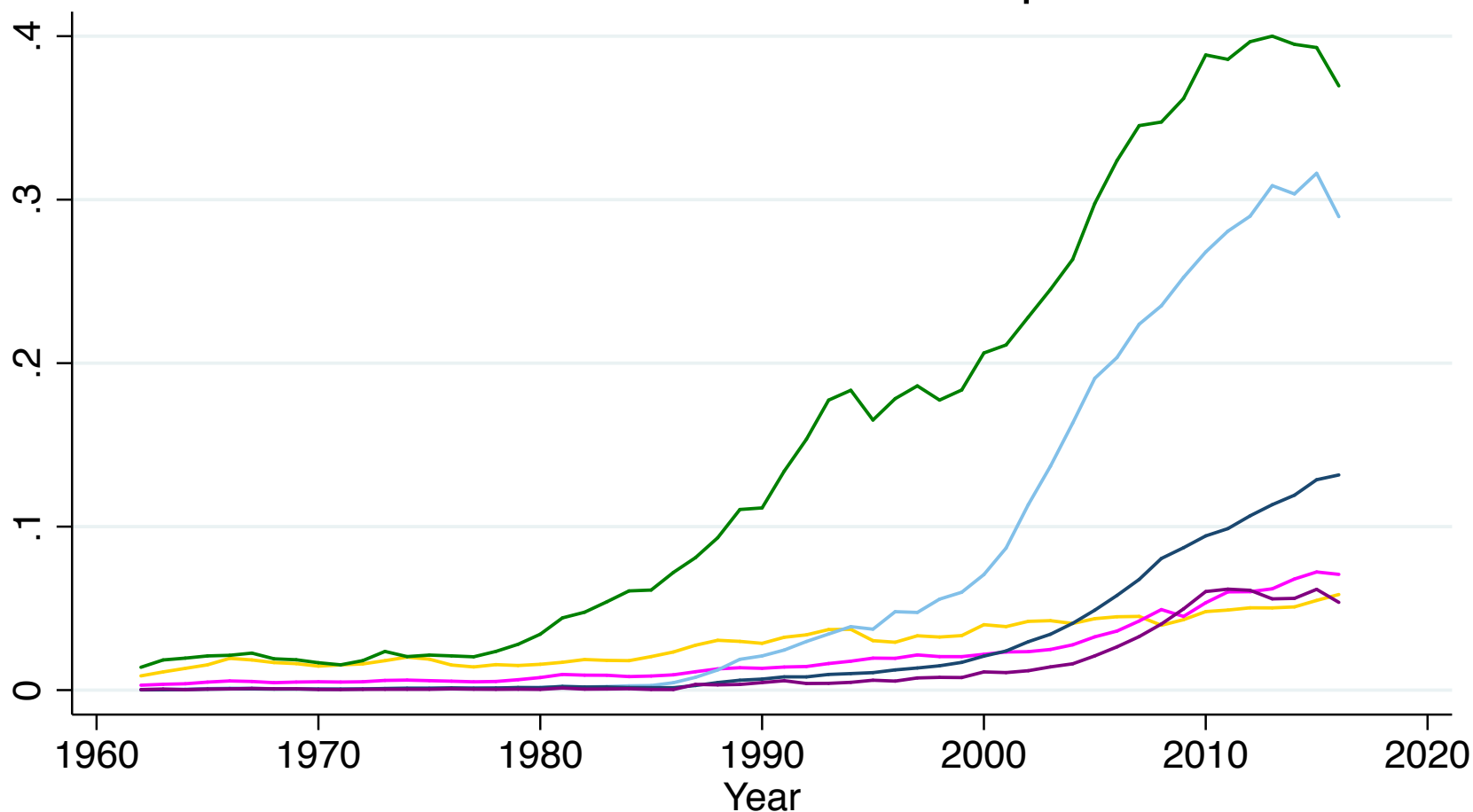
\$258B

2017
256 MM\$



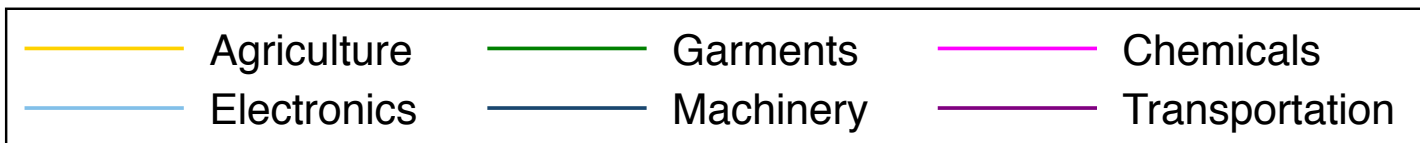
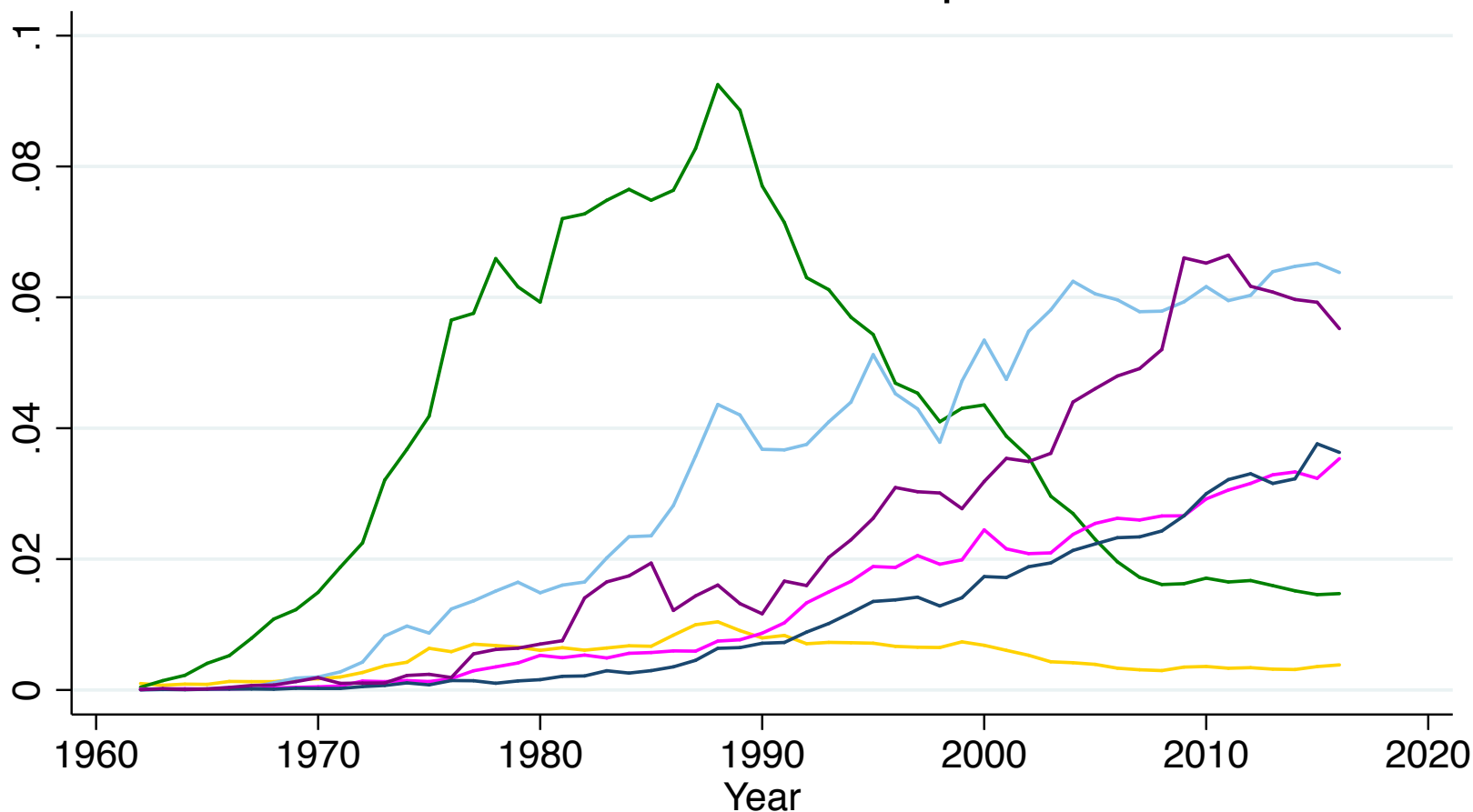
The common pattern: Countries often first diversify into garments, followed by electronics and then machinery

Global Market Share of Goods Exports: China



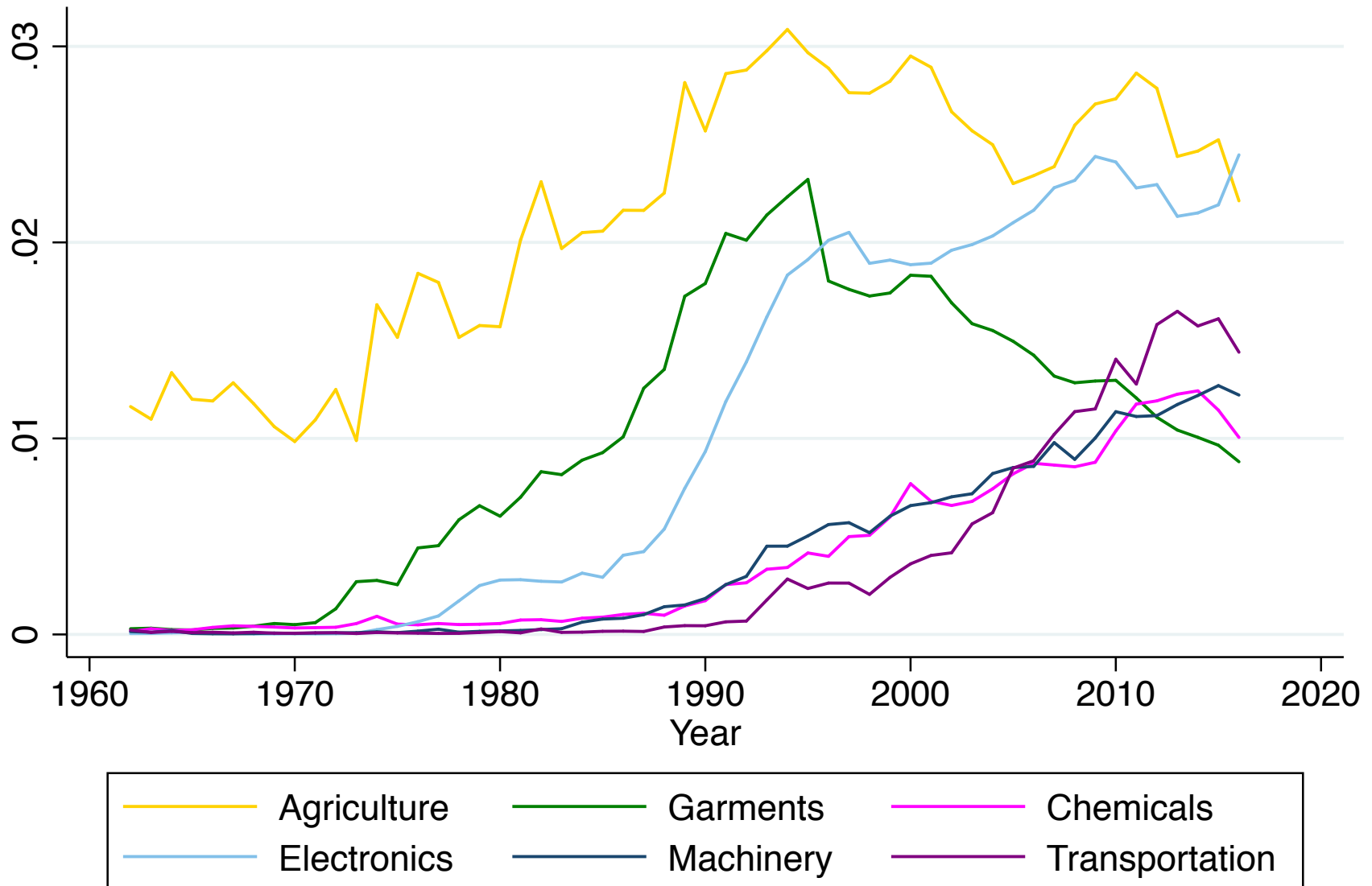
The common pattern: Countries often first diversify into garments, followed by electronics and then machinery

Global Market Share of Goods Exports: South Korea



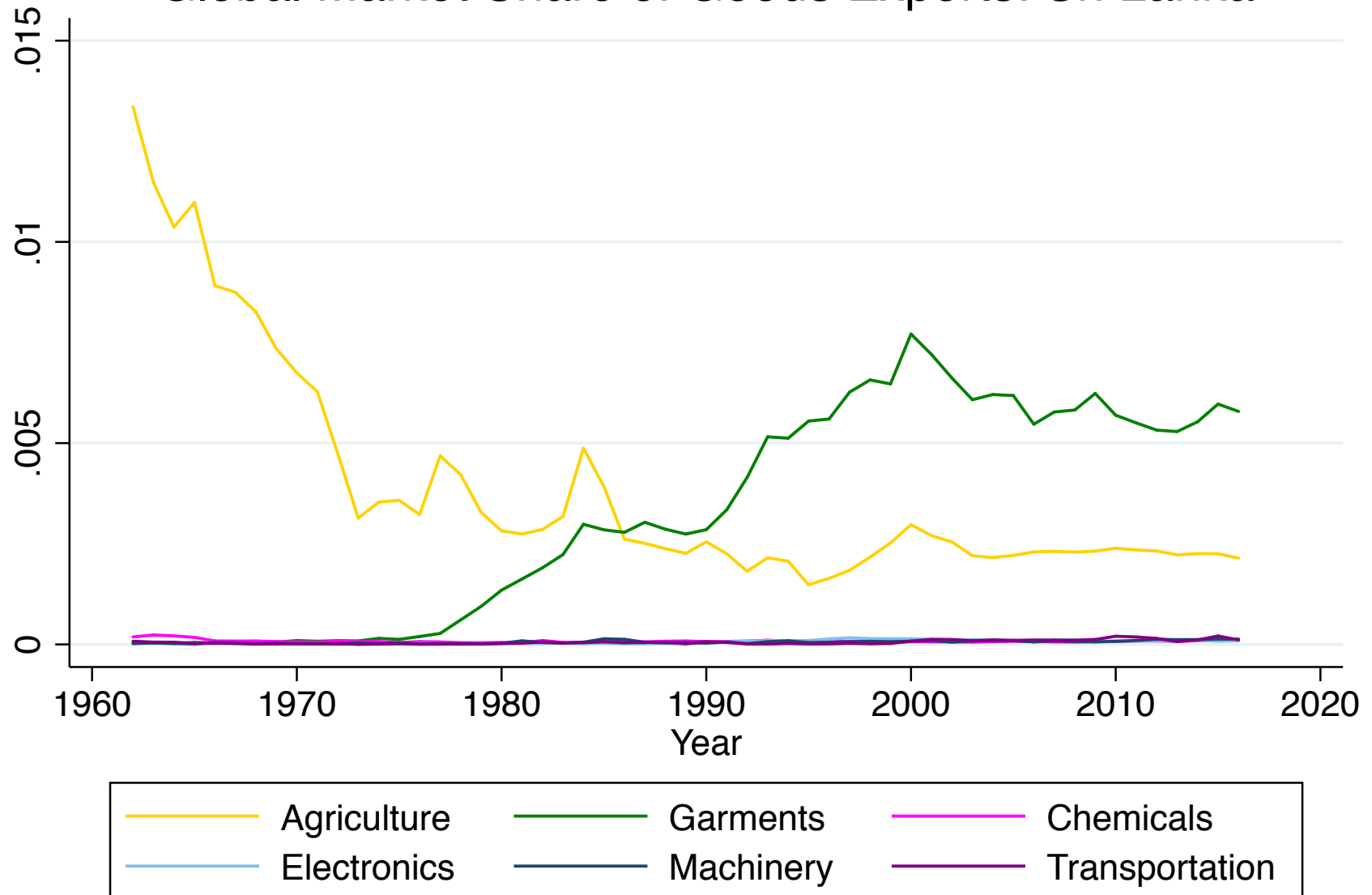
Over time, the market share of garments tends to peak as growth in other industries picks up

Global Market Share of Goods Exports: Thailand



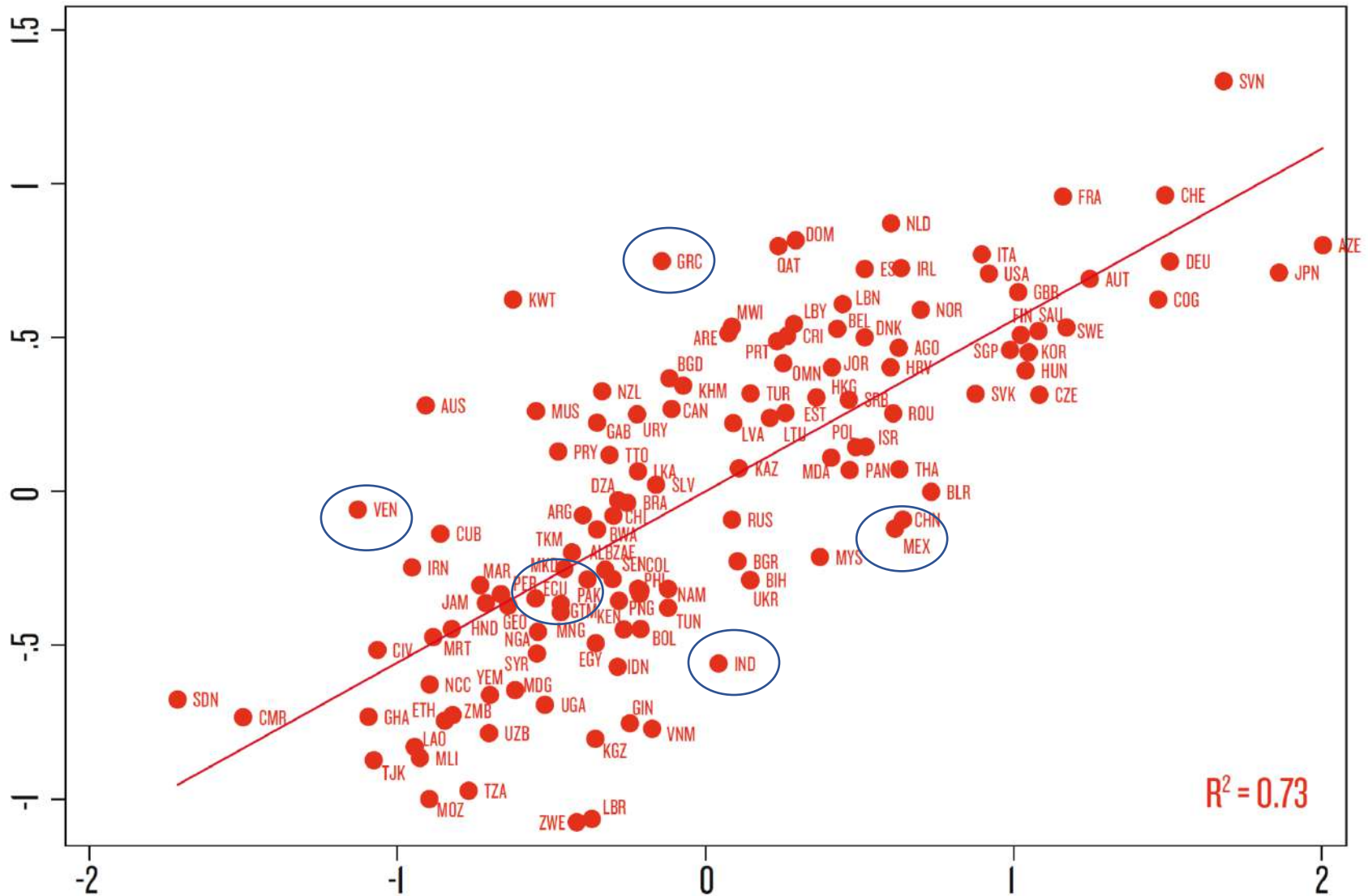
While many others have gotten stuck in the garment phase...

Global Market Share of Goods Exports: Sri Lanka



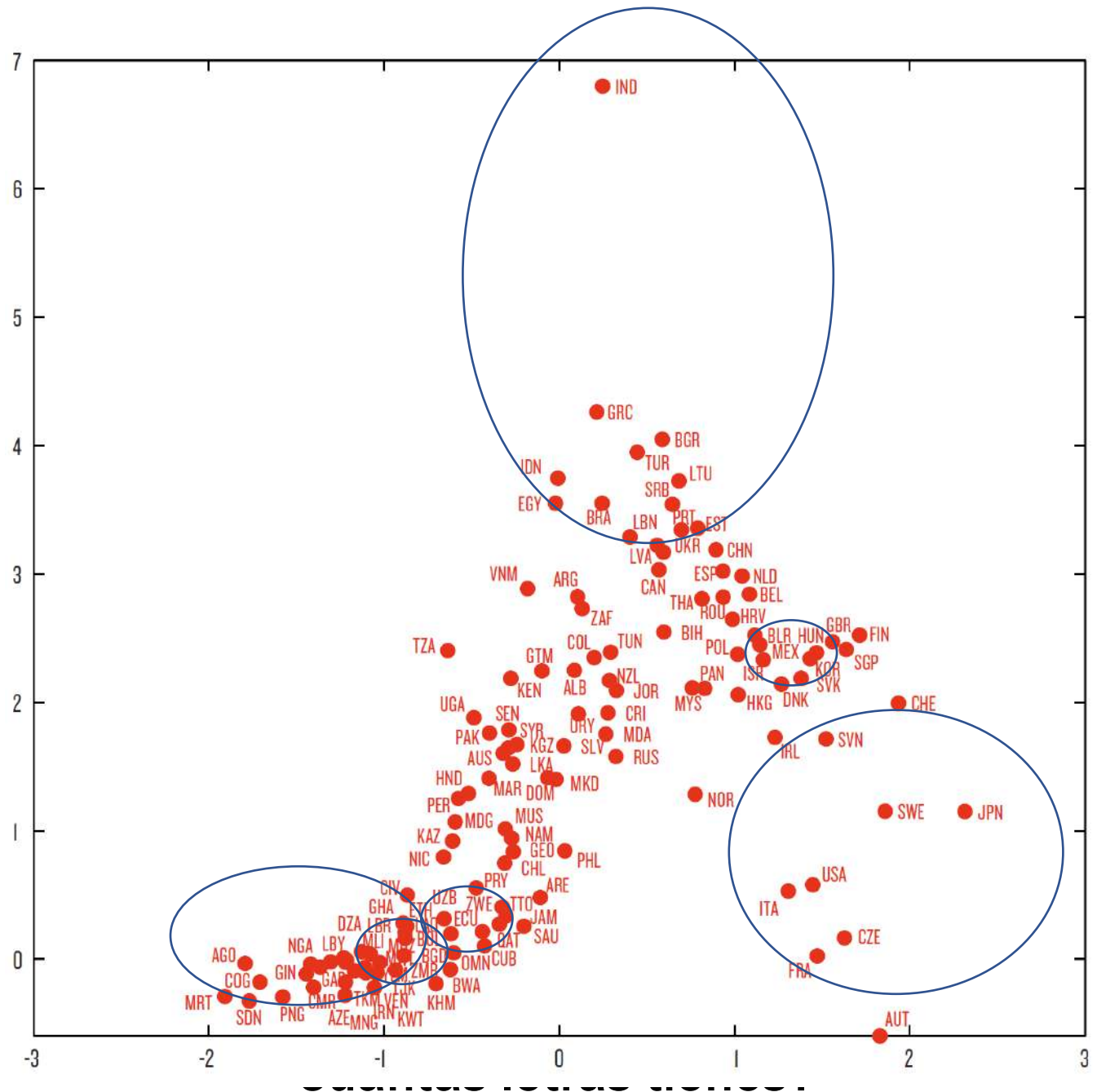
El marco estratégico

Income per capita controlling for initial income and proportion
of natural resource exports per capita in logs [2008]



Economic Complexity Index controlling for initial income and proportion
of natural resource exports per capita in logs [2008]

Que tan cerca
están los monos
de los árboles
vacíos?



El marco estratégico



Complexity quadrants, 2016



Cómo mover el knowhow?





Difusión de knowhow

I. Entre empresas

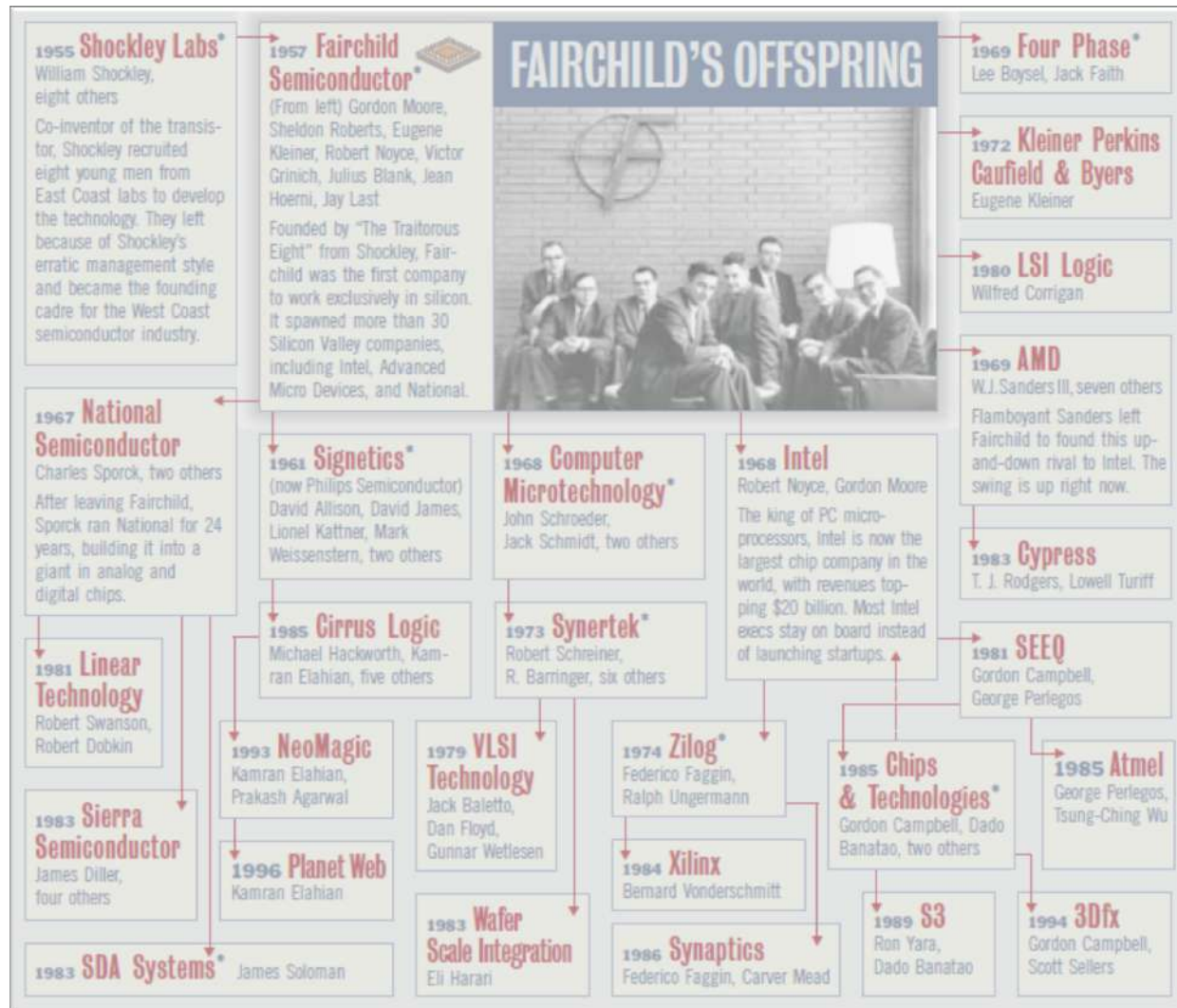
Example 1: DETROIT



All successful car firms in Detroit came out of Olds Motor Works



Example 2: SILICON VALLEY



Silicon Valley consists almost exclusively of Fairchild Semiconductor renegades

Diffusion of knowhow

II. Entre países

Confección en Bangladesh
(Klepper and Mostafa, 2011)



The garment industry of Dhaka

(Klepper and Mostafa 2011)



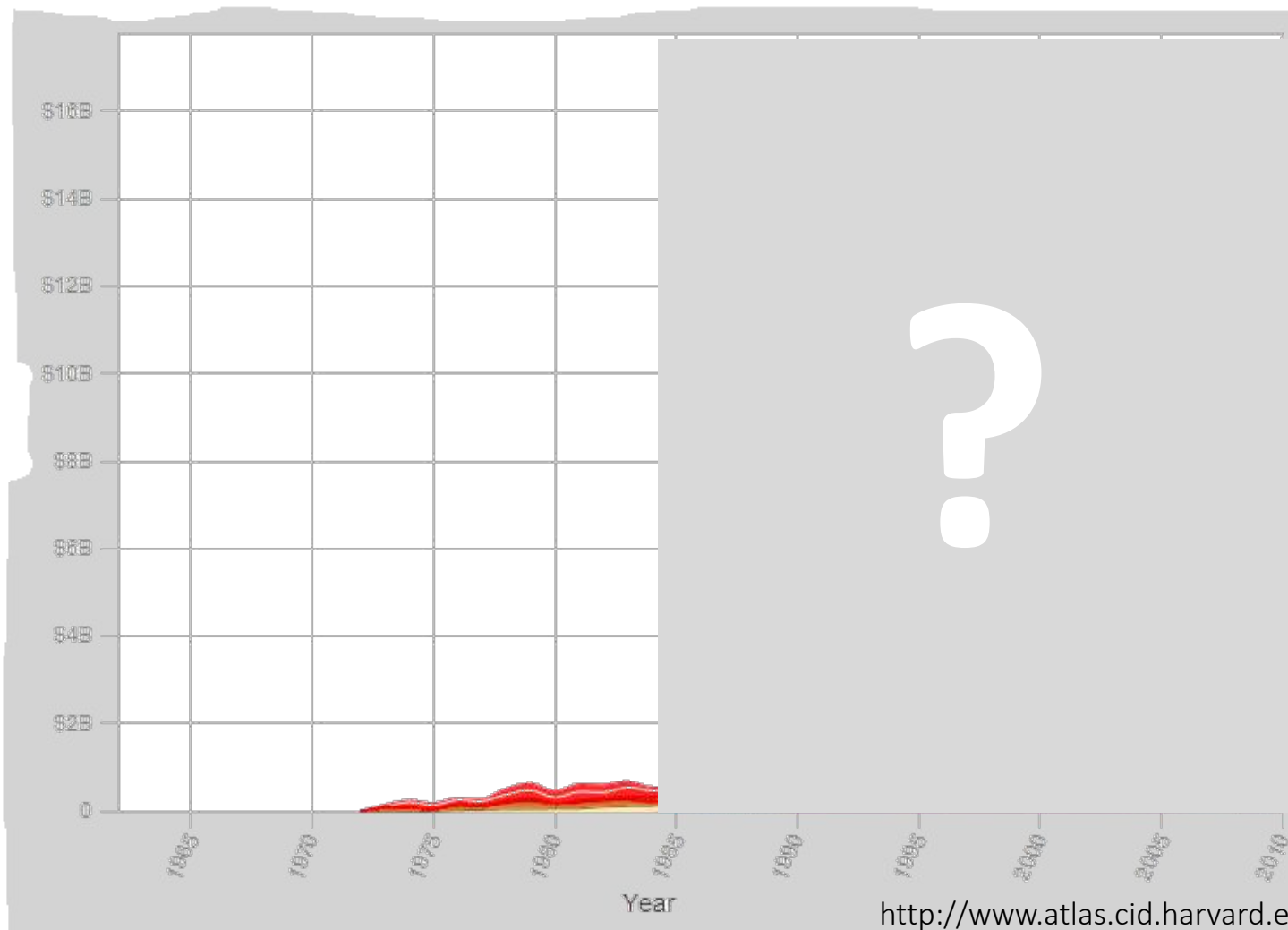
M. Noorul Quader,
founder Desh Group



- 1979: Desh sends 126 Bangladeshi workers for a 6 month intensive training in Korea
- 1988: 56 spin-off companies by Desh workers

Bangladesh

What did Bangladesh export between 1962 and 2010?



Bangladesh

What did Bangladesh export between 1962 and 2010?

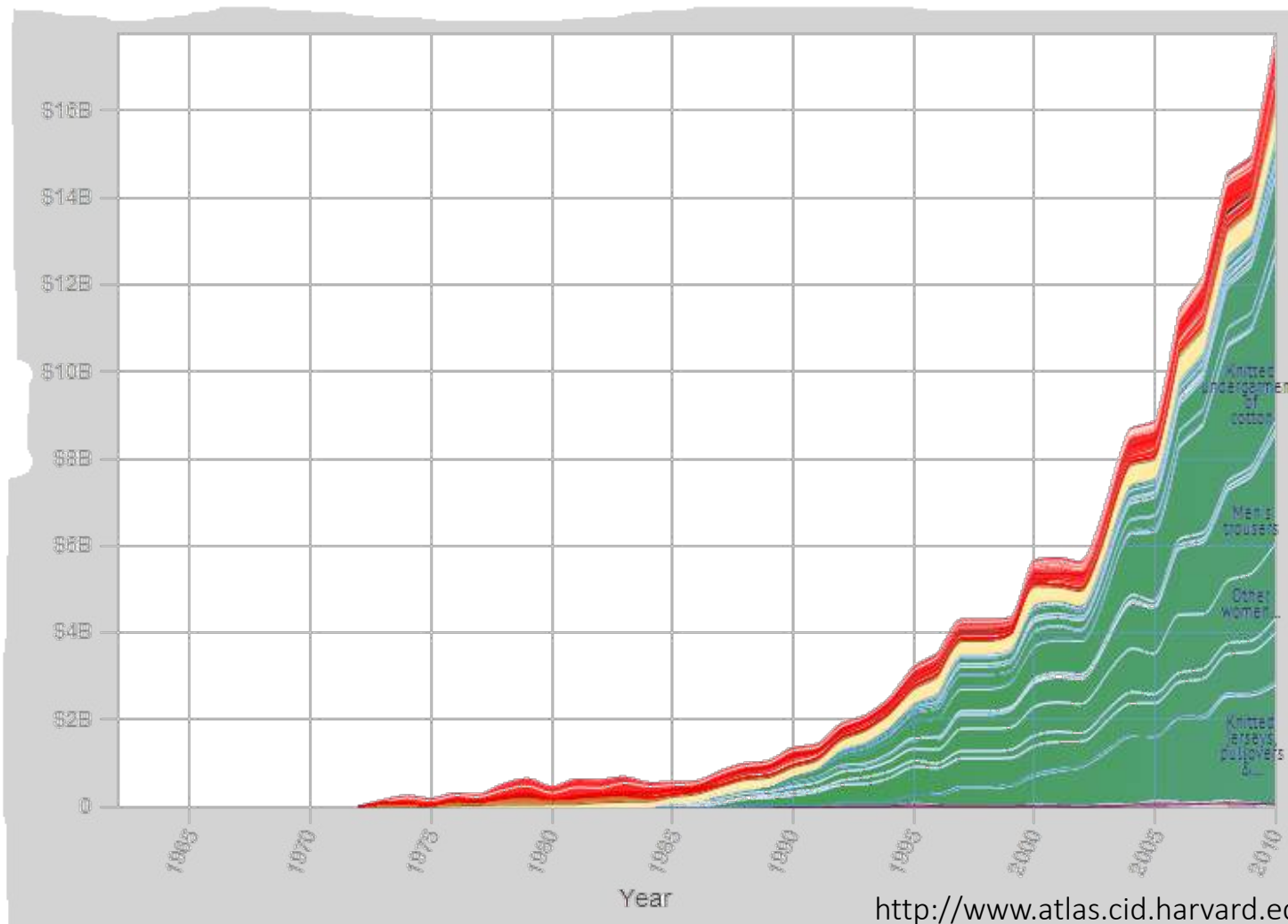
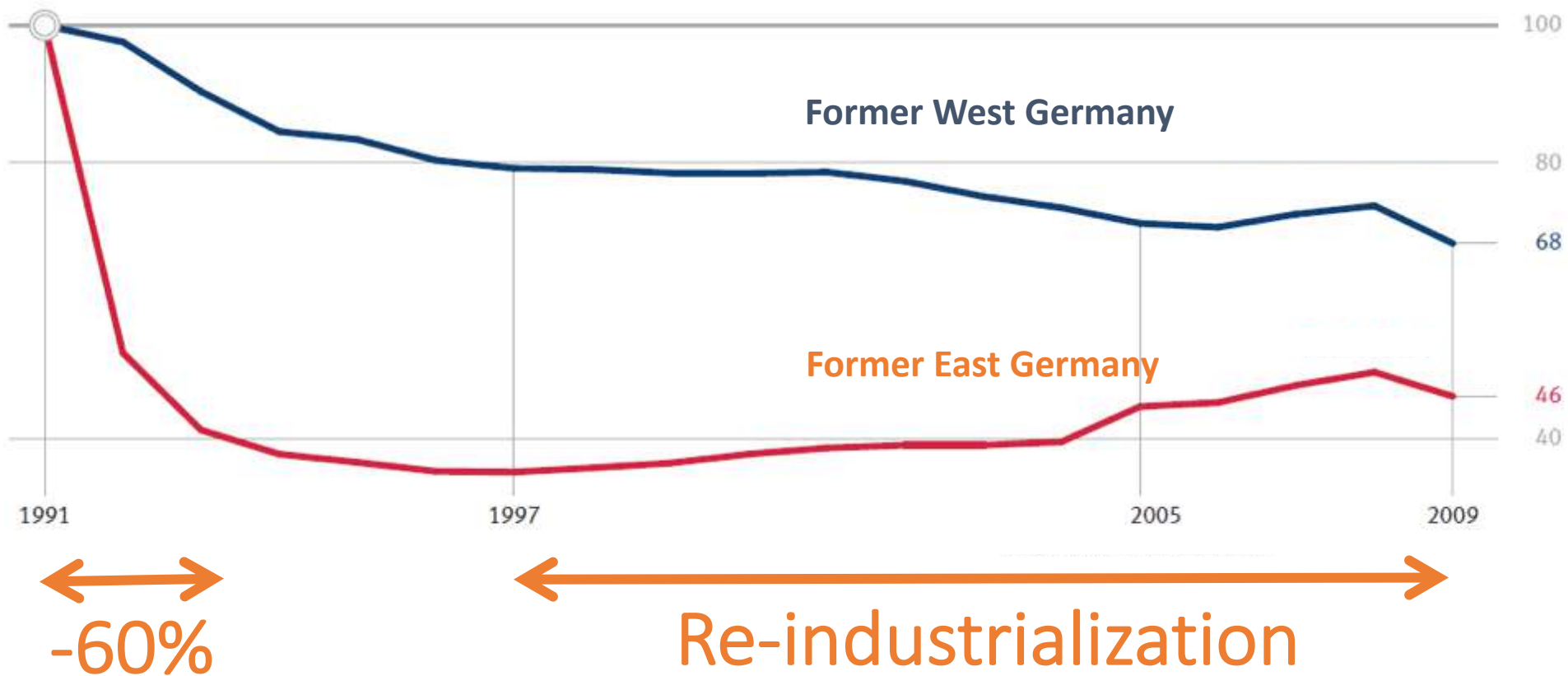




Photo Credit: Lear 21 at English Wikipedia

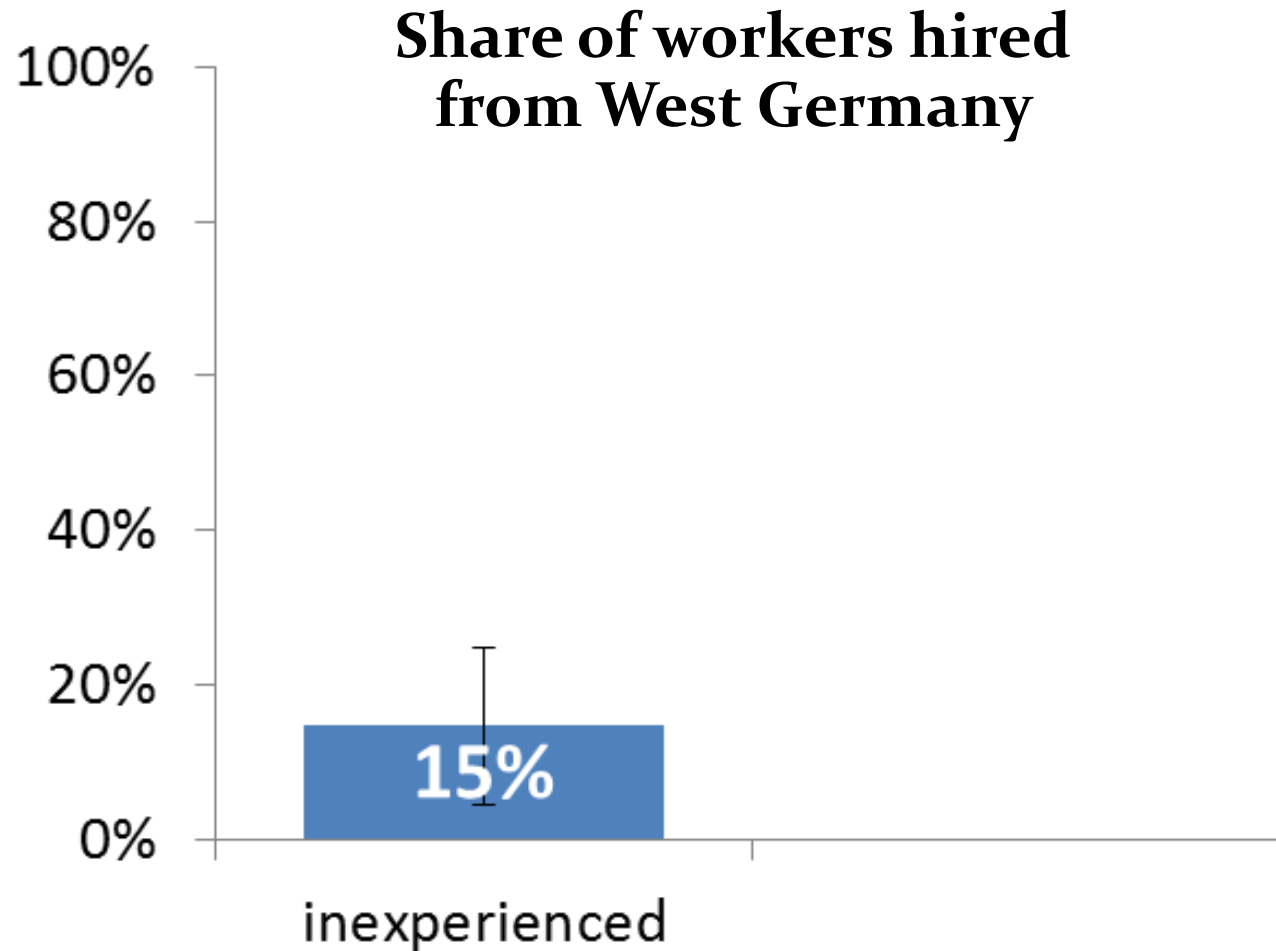
Example 8: Reindustrialization of East Germany

Collapse of East German manufacturing



Reindustrialization of East Germany

The workforce of manufacturing pioneers in the East

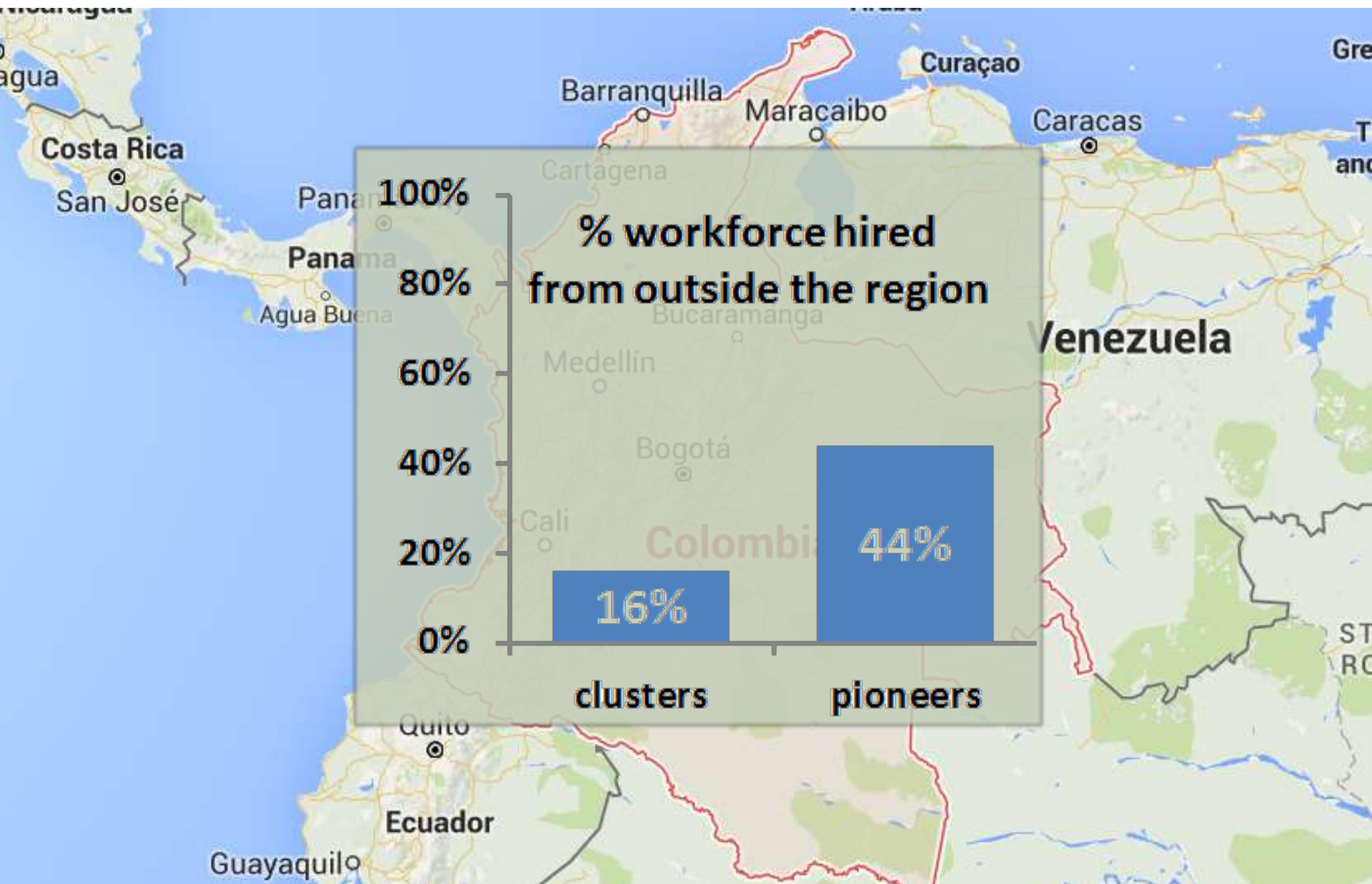


Reindustrialization of East Germany

The workforce of manufacturing pioneers in the East

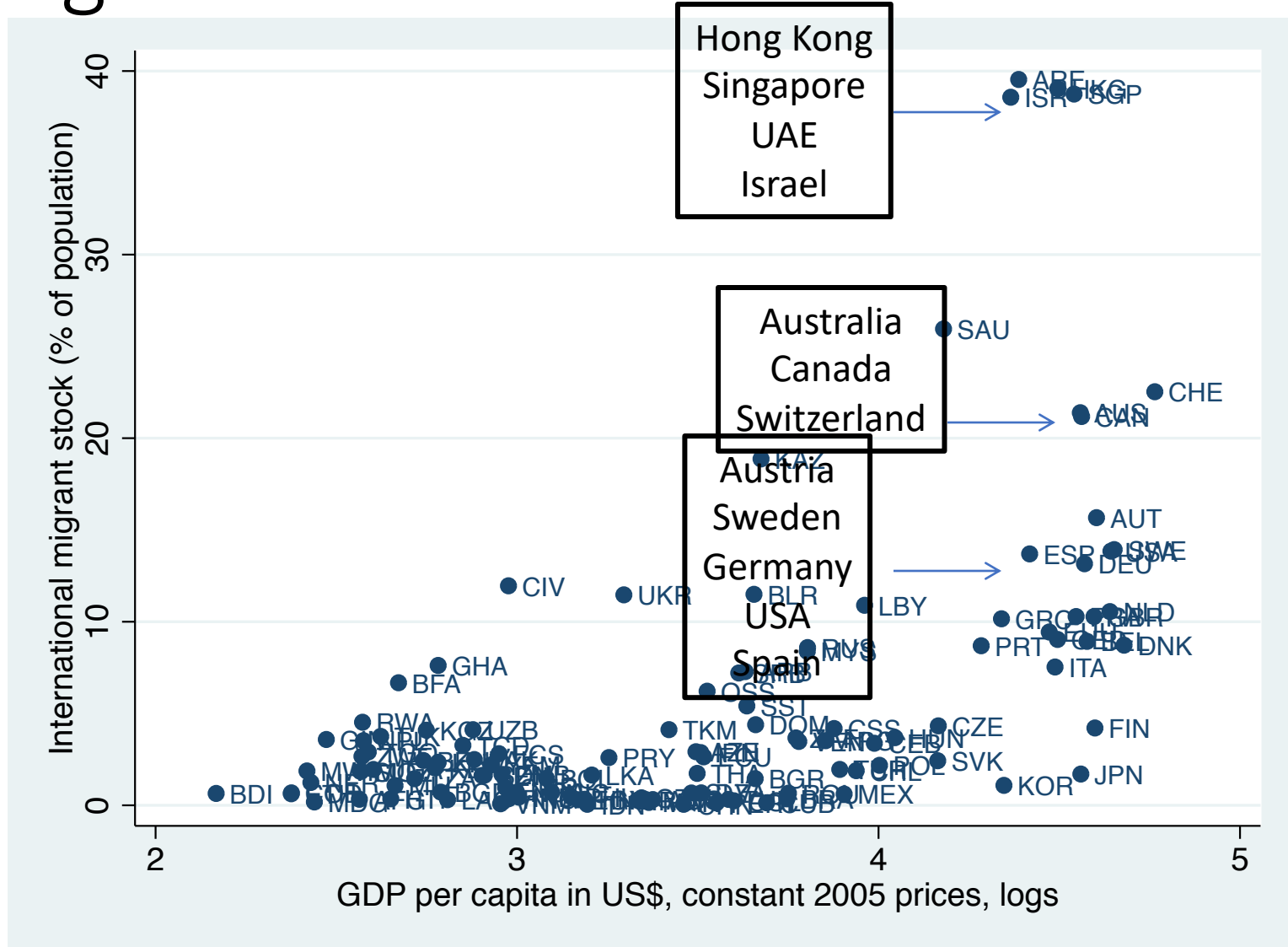


Example 9: Workforce of Pioneering Firms in Colombia

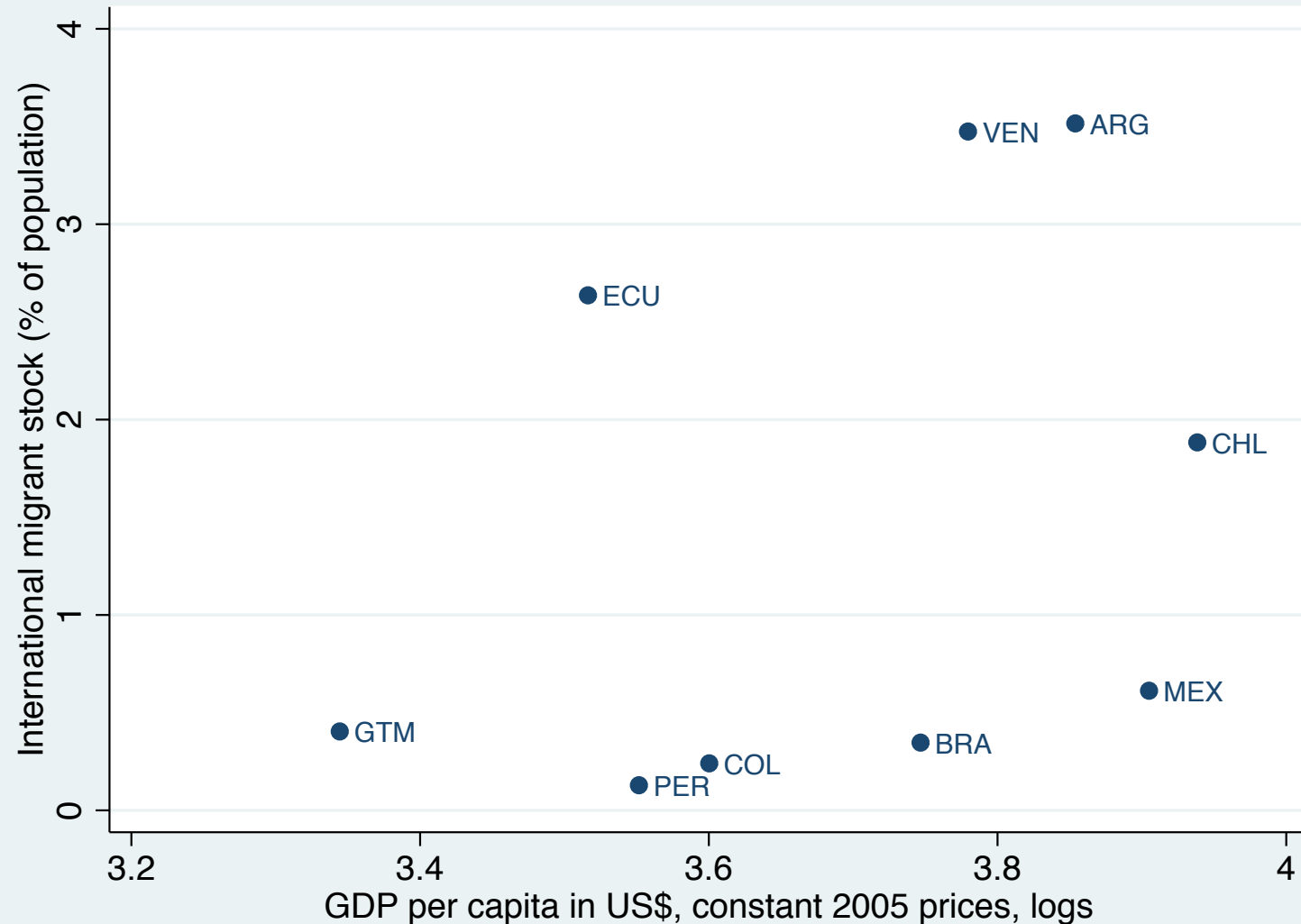


Matté Hartog: *Pioneer plants in Colombia*

Migrants and income



Inmigrantes en América Latina 2010



Restricciones a la inmigración

- Visas de trabajo
- Residencia permanente
 - No existe tal cosa en muchos países
- Ciudadanía
 - No existe tal cosa en muchos países
- Restricciones a empresas
 - Ejp. Maximo 10% de extranjeros por empresa en Panama
- Restricciones a profesiones
 - Ejp. Hay que ser ciudadano para ser ingeniero en Jordania o profesor en universidad pública en Panamá

Por qué tanta
informalidad?



Cómo se juntan las letras?



Yinsen	SHAUN TOUB	SUMMER KYLIE REMINGTON
Raza	FARAN TAHIR	AVA ROSE WILLIAMS
Agent Coulson	CLARK GREGG	VLADIMIR KUBR
General Gabriel	BILL SMITROVICH	CALLIE MARIE CROUGHWELL
Abu Bakaar	SAYED BADREYA	Gulmira Kid JAVAN TAHIR
Jarvis	PAUL BETTANY	Gulmira Mom SAHAR BIBIYAN
Hogan	JON FAVREAU	Reporters PATRICK O'CONNELL
William Ginter Riva	PETER BILLINGSLEY	ADAM HARRINGTON
Major Allen	TIM GUINEE	MEERA SIMHAN
Award Ceremony Narrator	WILL LYMAN	BEN NEWMARK
Guards	TOM MORELLO	Flight Attendants RICKI NOEL LANDER
	MARCO KHAN	JEANNINE KASPAR
	DASTON KALILI	SARAH CAHILL
	IDO EZRA	Himself STAN LEE
Jimmy	KEVIN FOSTER	Air Force Lieutenant JUSTIN REX
Pratt	GARRETT NOEL	Herself ZORIANNA KIT
Ramirez	EILEEN WEISINGER	Stan's Girls LANA KINNEAR
Ahmed	AHMED AHMED	NICOLE LINDEBLAD
Omar	FAHIM FAZLI	MASHA LUND
Howard Stark	GERARD SANDERS	GABRIELLE TUI TE
Viper 1	TIM RIGBY	CAOC Analysts TIM GRIFFIN
Viper 2	RUSSELL RICHARDSON	JOSHUA HARTO
Amira Ahmed	NAZANIN BONIAOI	MICAH HAUPTMAN
Colonel Craig	THOMAS CRAIG PLUME	JAMES BETHEA
Dealer at Craps Table	ROBERT BERKMAN	
Women at Craps Table	STACY STAS	

Technical Lead	Mora Godley
Technical Advisor	Phung Champlin
Software Analyst	Emanuel Stjohn
Software Engineer	Nakita Hathcock
Tech Financial Advisor	Bea Windham
Lead Tech Expert	Lizette Gries

Lead Film Editor	Don Lizotte
Visual Effects Producer	Brent Greenwald
Visual Effects Creative Dir	Jong Tandy
Visual Effects Supervisor	Krista Koppes
Visual Effects Editor	Suzi Messing
Compositor	Jospeh Lamark
Rotoscope Artist	Nichole Mehler
Paint Artist	Breanne Hardeman
Matte Painter	Elvia Loveless

Sound Designer	Eulah Ouzts
Dialogue Editor	Lynsey Armbruster
Sound Editor	Le Loman
Re-recording Mixer	Lynne Hier
Music Supervisor	Irish Alter
Composer	Leone Lammert
Foley Artist	Leon Pullins

Construction Coordinator	Terence Gathright
Constuction Manager	Erick Stimpson
Head Carpenter	Lucinda Mullarkey
Key Scenic	Chadwick Regnier
Cinematography	Nelle Spafford

Director of Photography	BESSIE CARTER
Editor	DAVID FONSECA
Production Designer	AMELIA SCARAMUCCI
First Assistant Director	CAROLINE SHEEN
Composer	THOMAS BERGENSEN
Sound Designer	RACHAEL ARCHER
Makeup	ANTONIA CLARKE MARY CORMACK
Location manager	GERARD BENTALL
Focus puller	KERRY ELLIS
Gaffer	TONY BIGNELL
Steadicam	TABITHA WEBB
Sound Recordist	RICHARD COLSON
Continuity	SALLY MATES

Ir al trabajo no es fácil, pero la gente lo hace



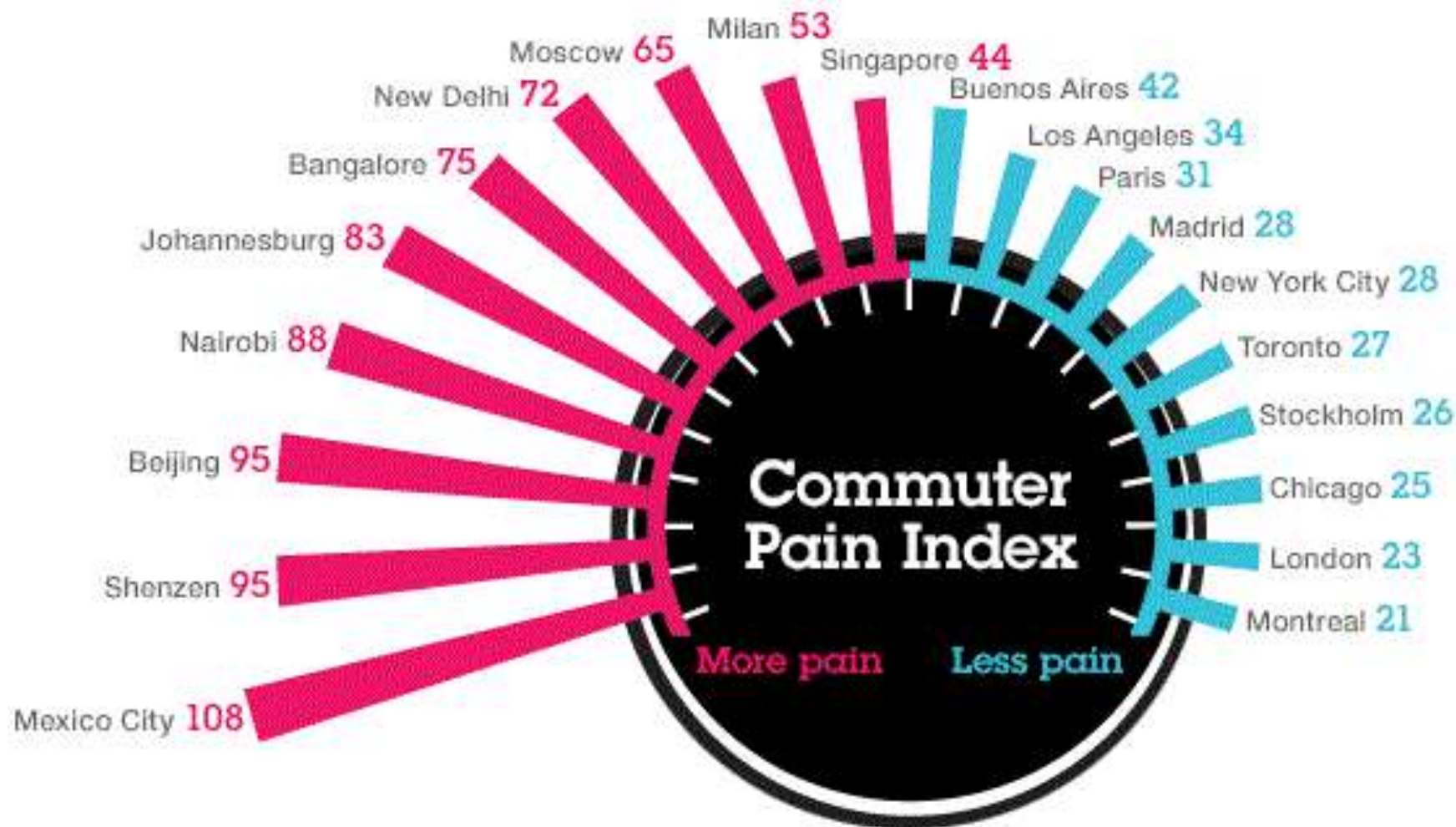


...aún con buena infraestructura



Las ciudades hacen inversiones para mejorar la movilidad





Si ir al trabajo cuesta mucho en tiempo y dinero...



...mejor quedarse a trabajar cerca de casa en actividades de 1 letra



Cual es el problema de la desigualdad















The purchasing power of the salary has collapsed

117

Hours worked at minimum wage required to buy one unit of these products



March 2017

March 2018

March 2019

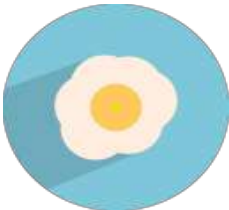


2 hours

5 hours

37 hours

63 hours



1 hour

4 hours

64 hours

97 hours



8 hours

25 hours

106 hours

221 hours

The maximum caloric coverage of the minimum wage fell from 60.000 (October 2012), to 6.000 (December 2017), to less than 600 (March 2019)

118

**Maximum number of calories that the average household
can consume with an integrated minimum wage**



Porcentaje de la Canasta Alimentaria Familiar que puede ser comprada con un sueldo mínimo



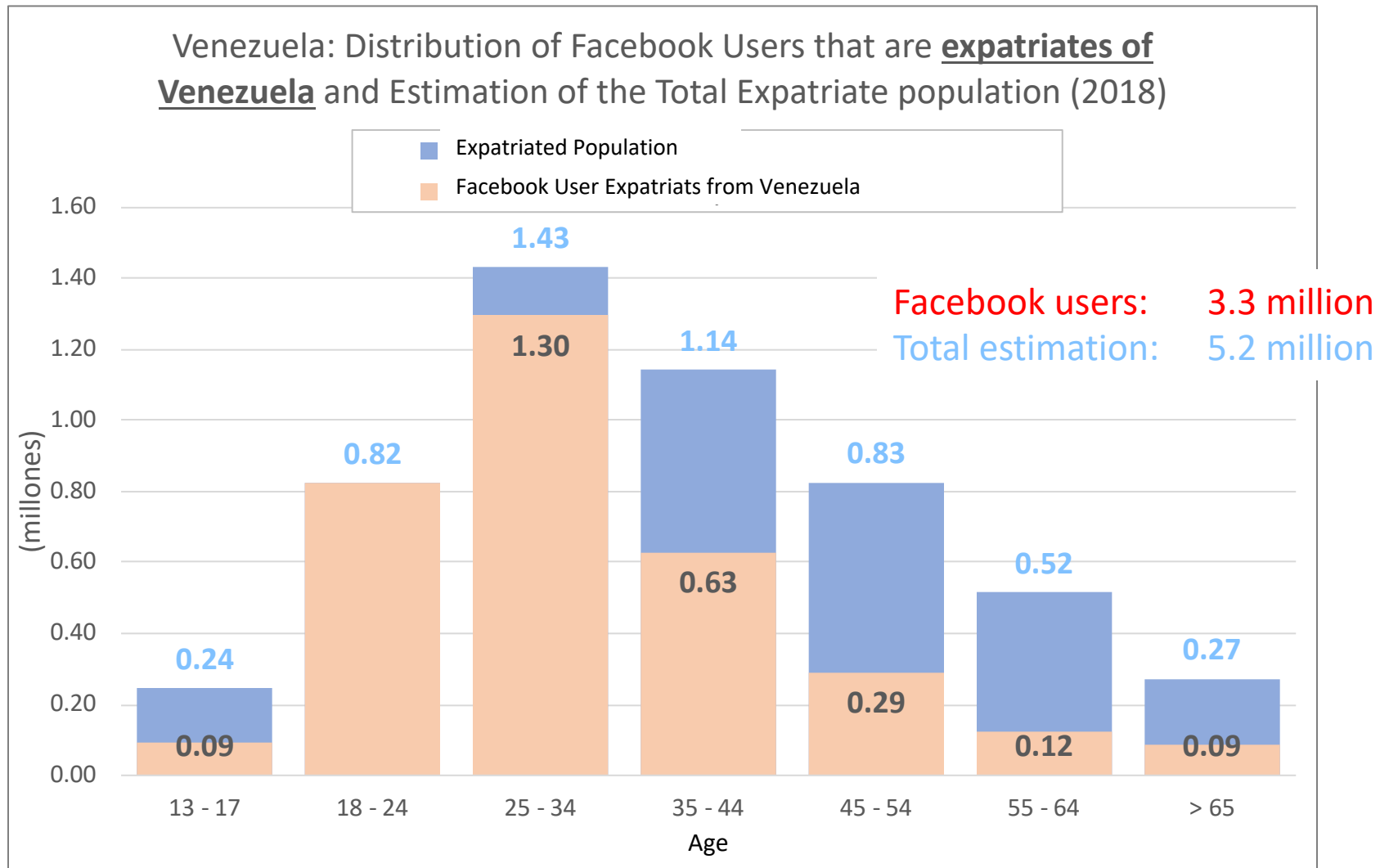
Inflation exceeded 2 million % which is the largest registered* inflation rate in 12 consecutive months

120

País	MAX Rolling 12 Meses	Fecha
RD Congo	91,290%	Sep-94
Bolivia	23,447%	Sep-85
Armenia	22,887%	Jun-94
Peru	12,378%	Ago-90
Angola	12,035%	Jul-96
Ucrania	10,155%	Dec-93
Brazil	6,818%	Abr-90
Kazajistan	3,121%	Jul-94
Bielorrusia	2,796%	Ago-94
Bulgaria	2,019%	Mar-97
Azerbaiyan	1,897%	Nov-94
Polonia	1,173%	Feb-90
Rusia	1,067%	Sep-93

The crisis has been the origin of the largest diasporas registered in the history of LATAM

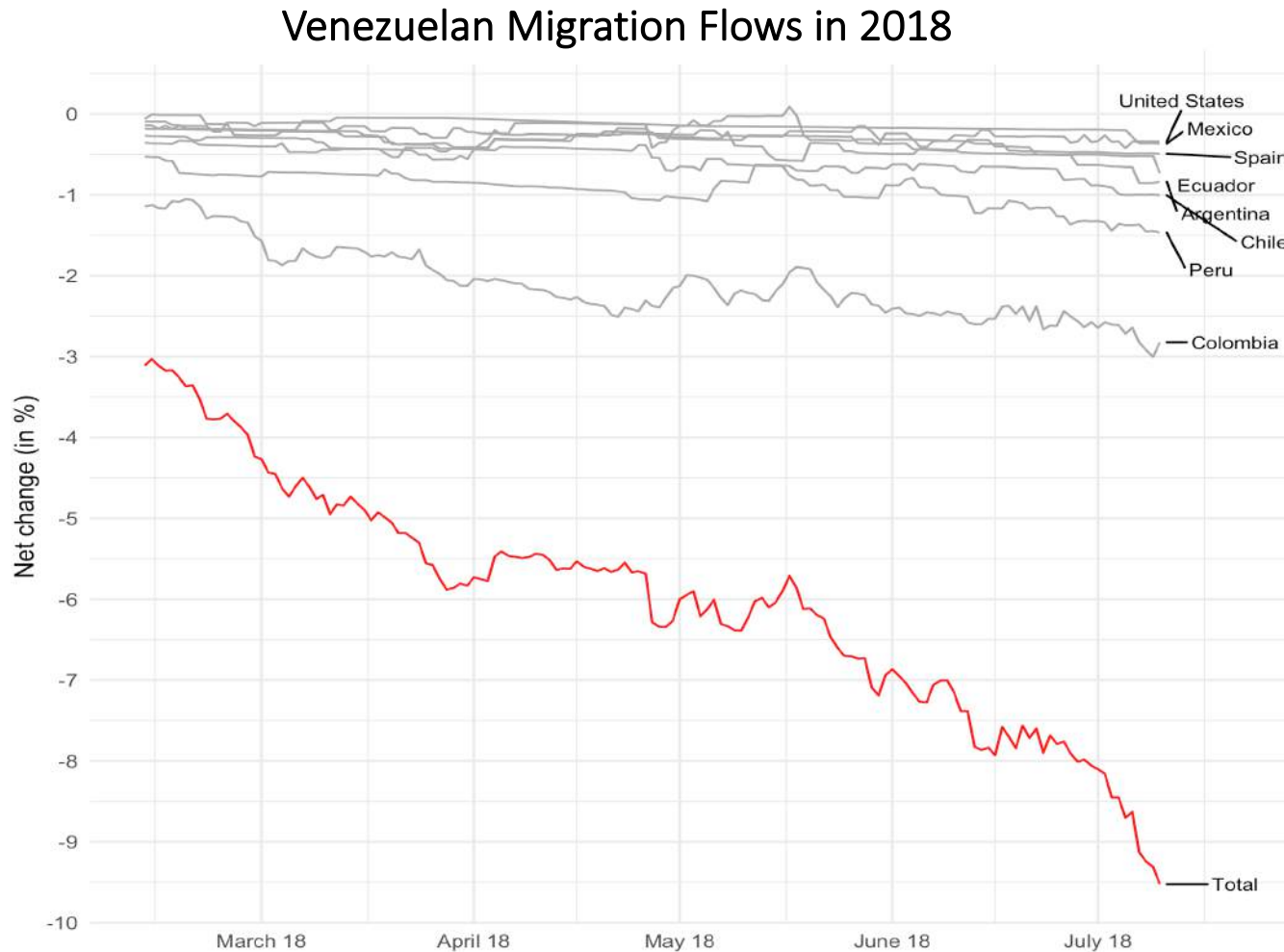
121



Fuentes: Facebook, cálculos propios,

Of the people that only tweeted from Venezuela in 2017, 9.5% have left as of August of 2018

122

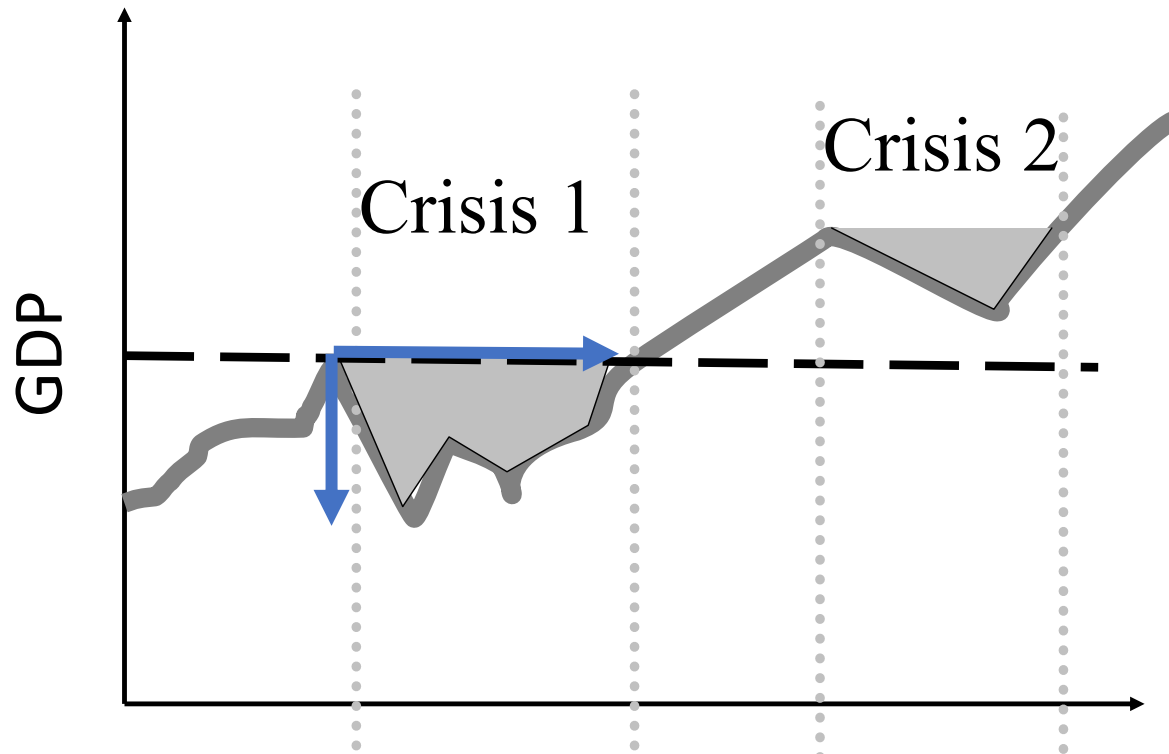


Fuentes: Twitter, cálculos propios,

¿How extraordinary
IS This crisis?

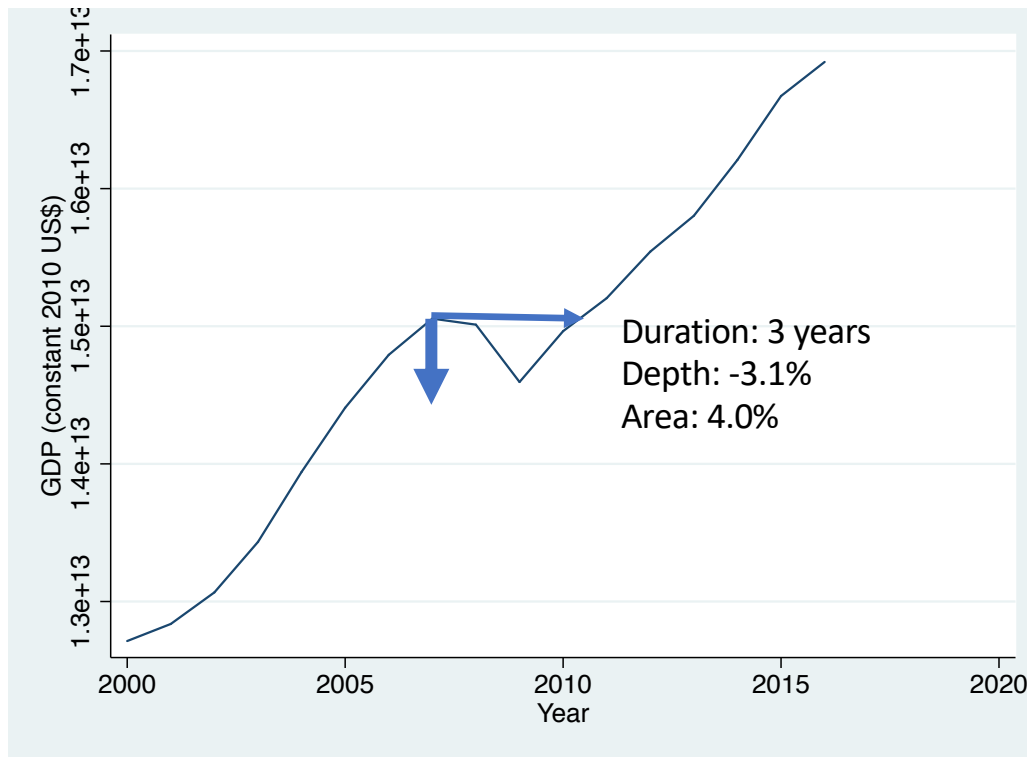
¿How should we measure a crisis?

124

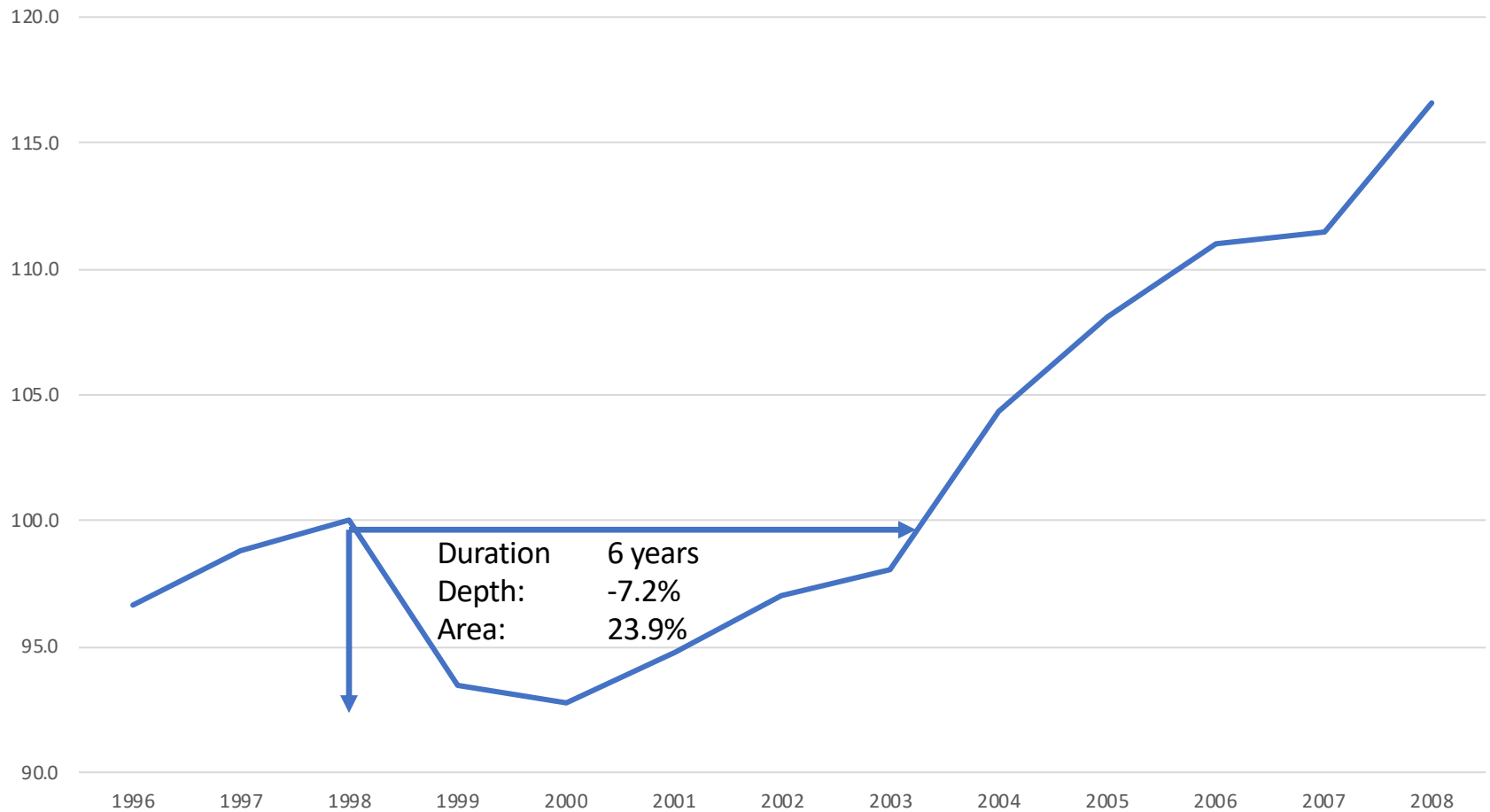


The Great Recession (2008-2010)

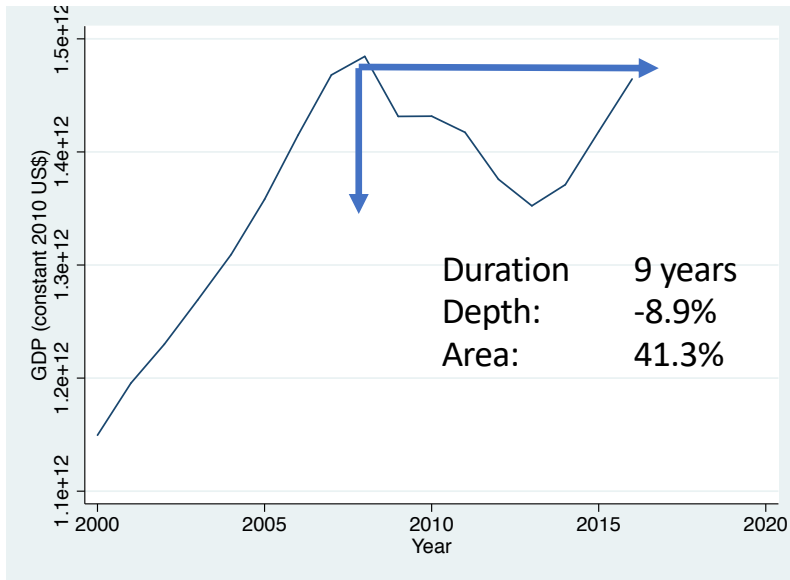
125



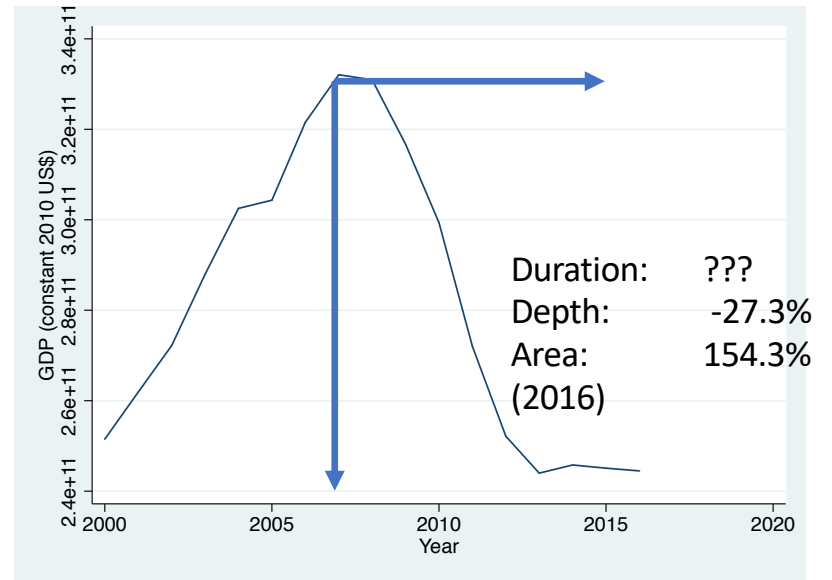
Ecuador 1999-2003



Spain and Greece

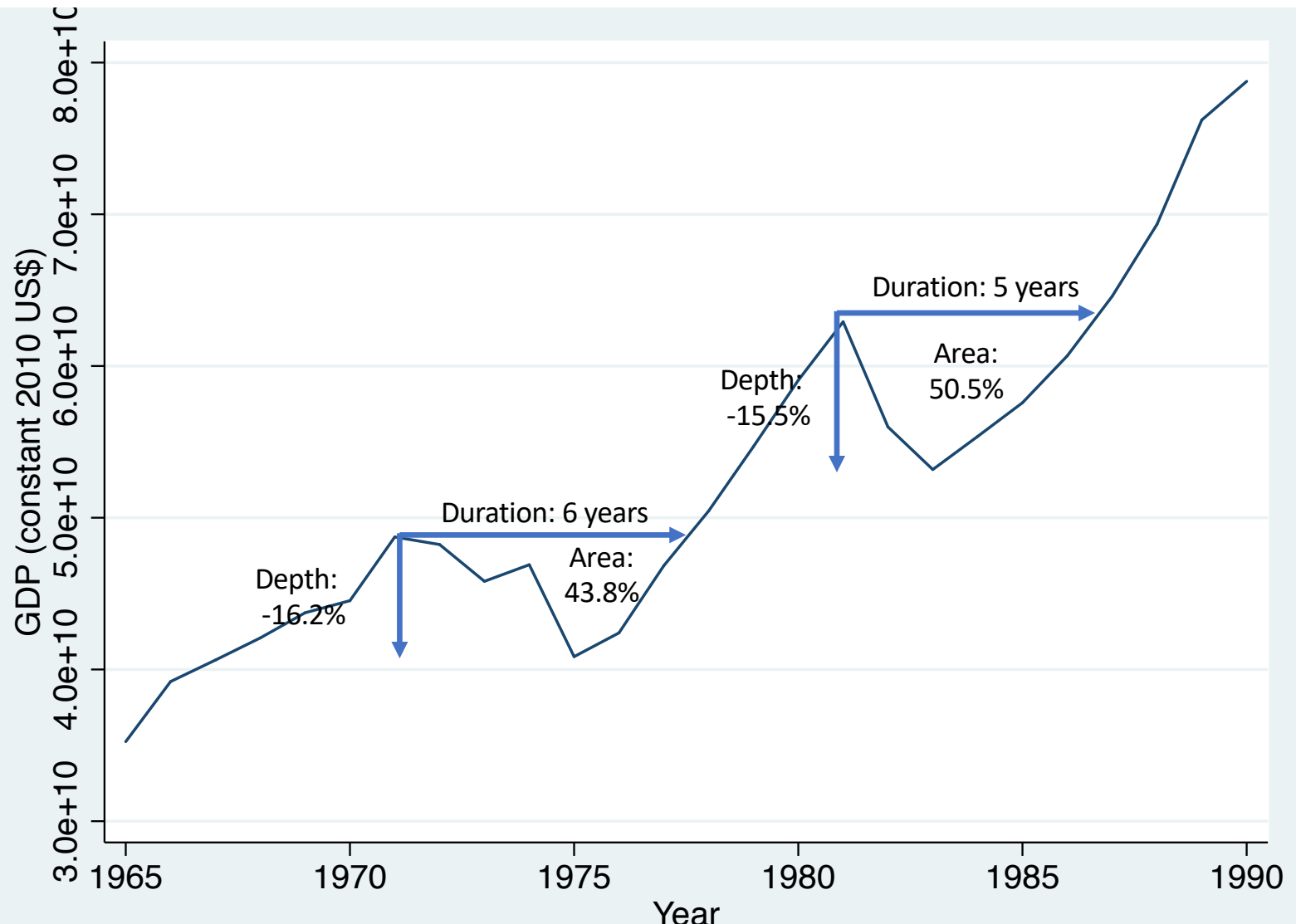


Spain

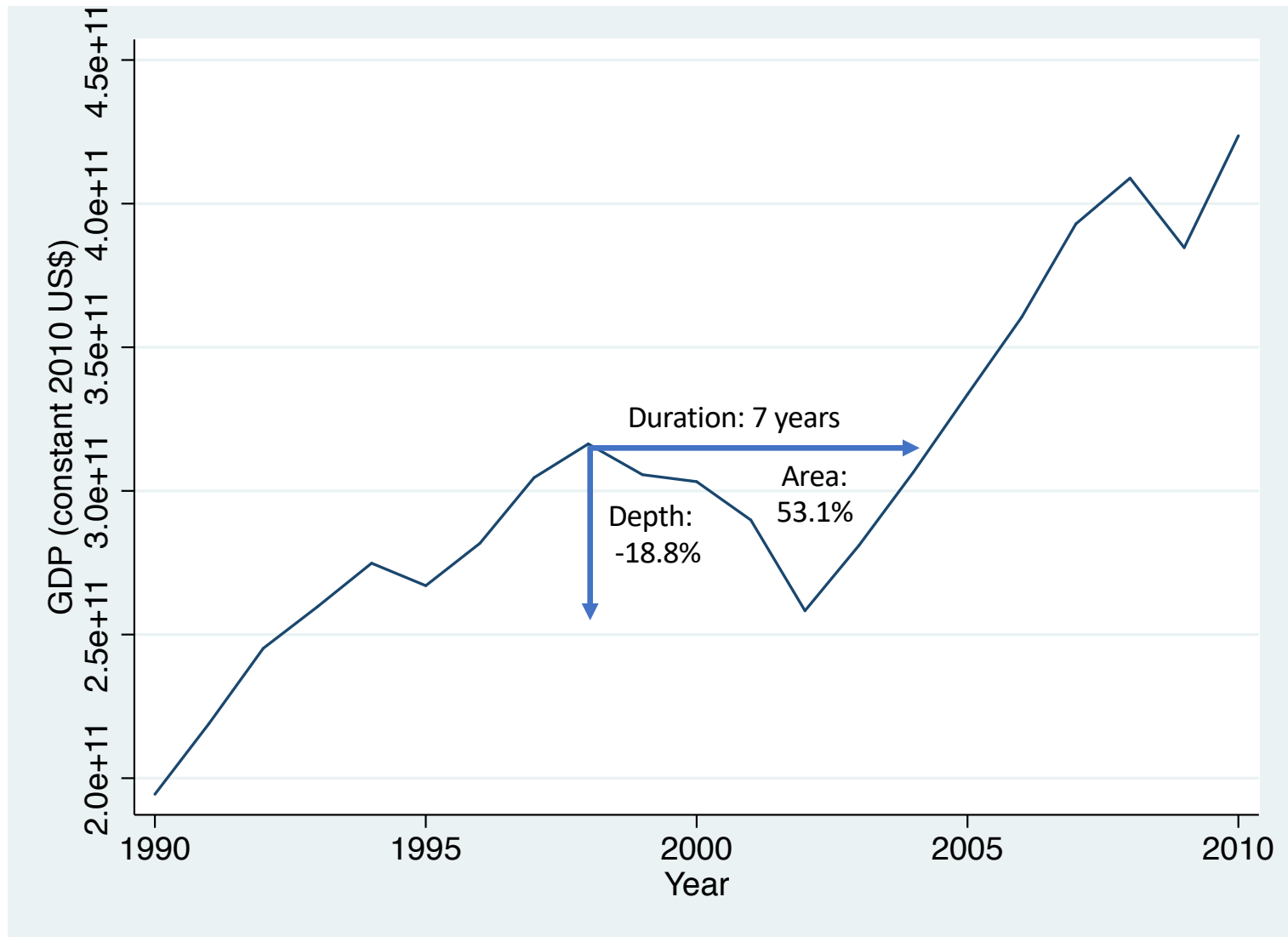


Greece

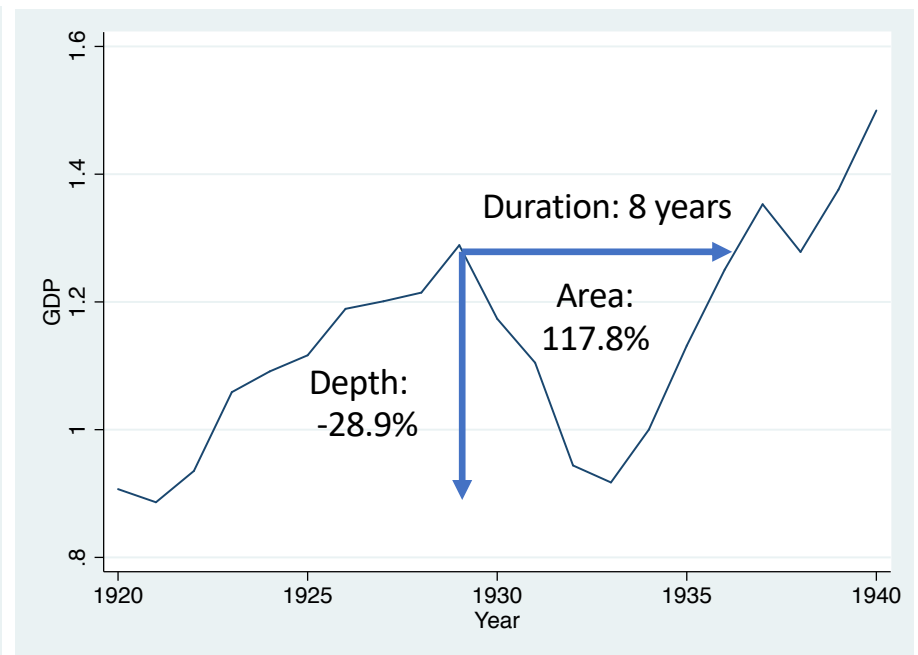
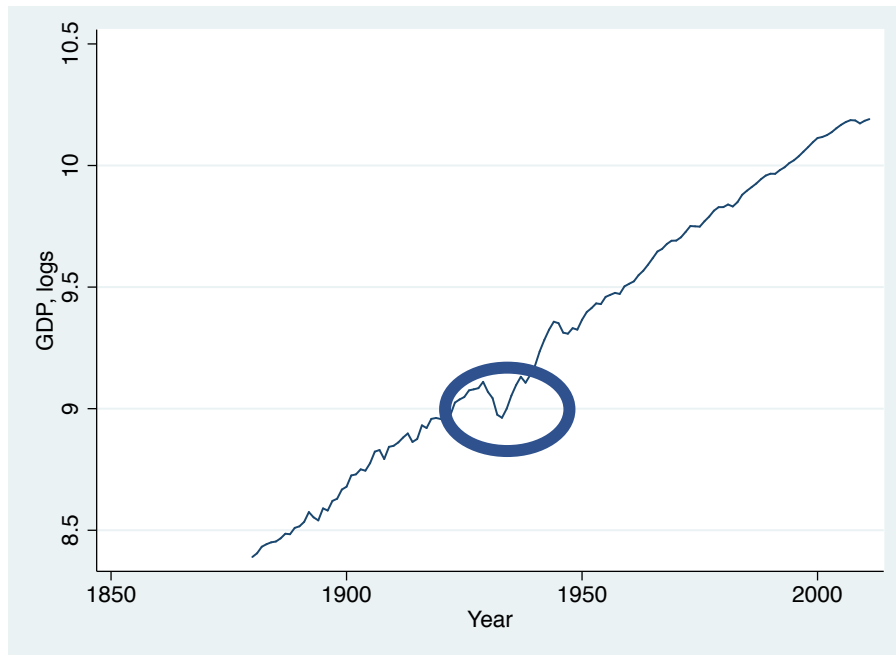
Chile's two crisis



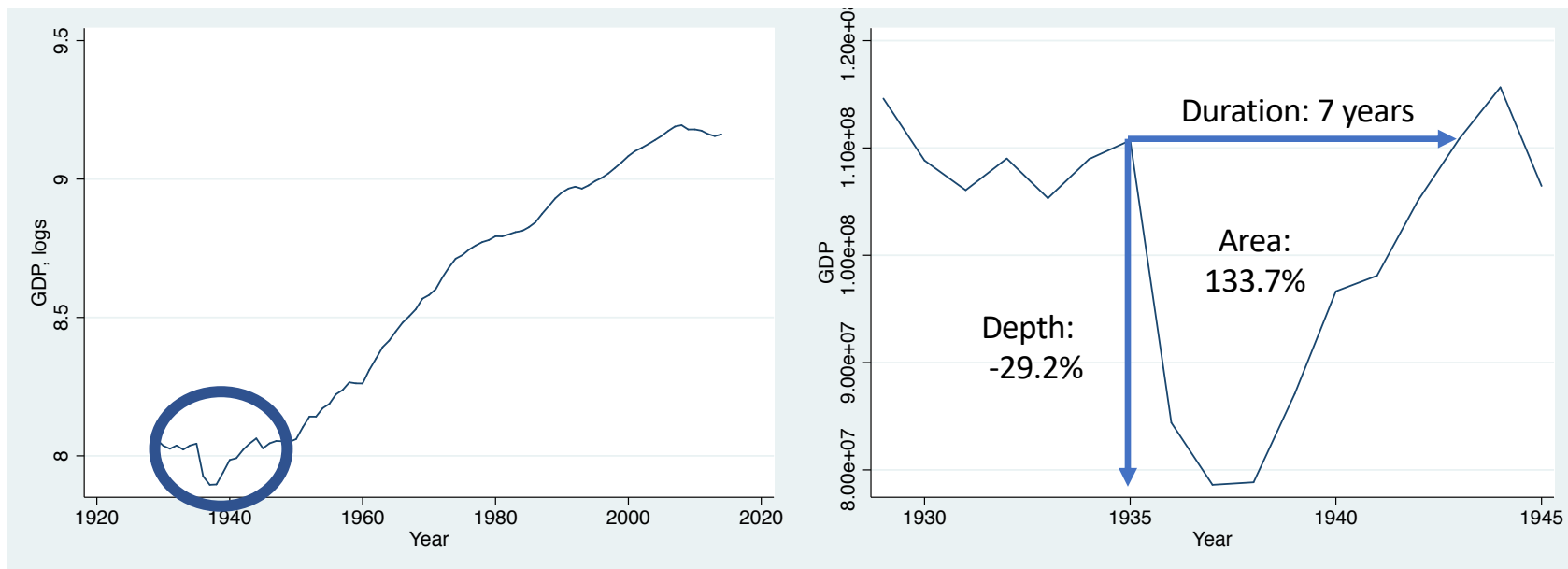
Argentina



The Great Depression (USA)

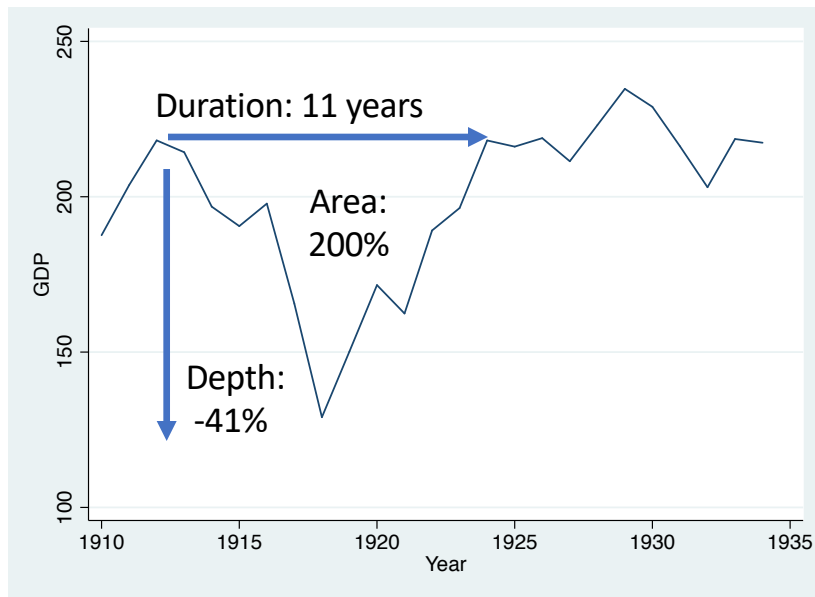


The Spanish Civil War

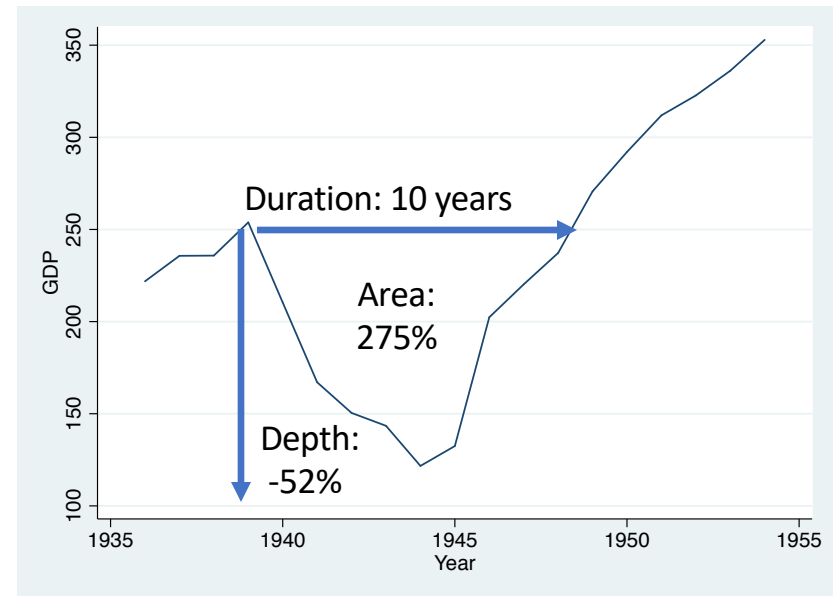


France's two world wars

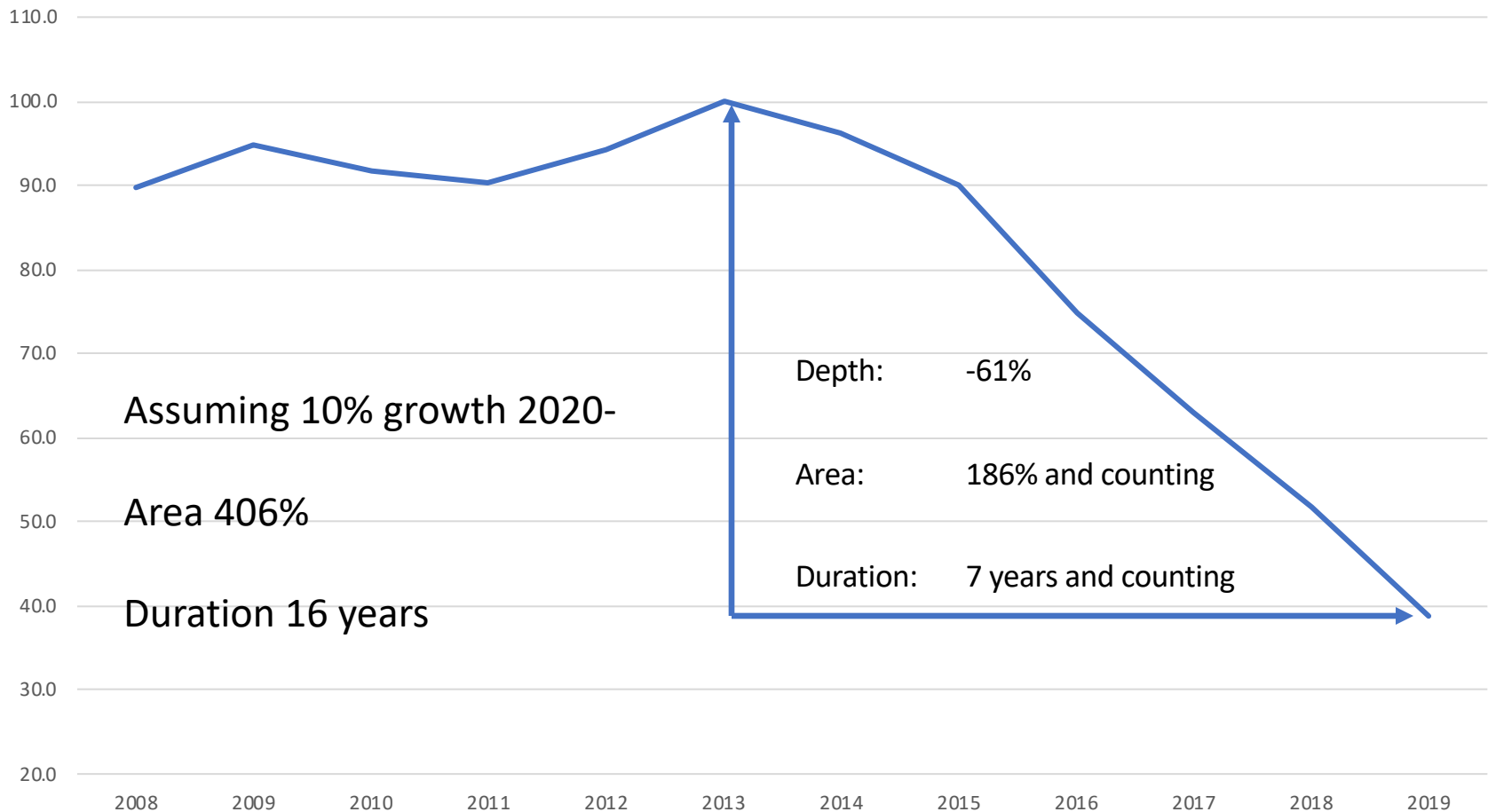
- First WW



- Second WW

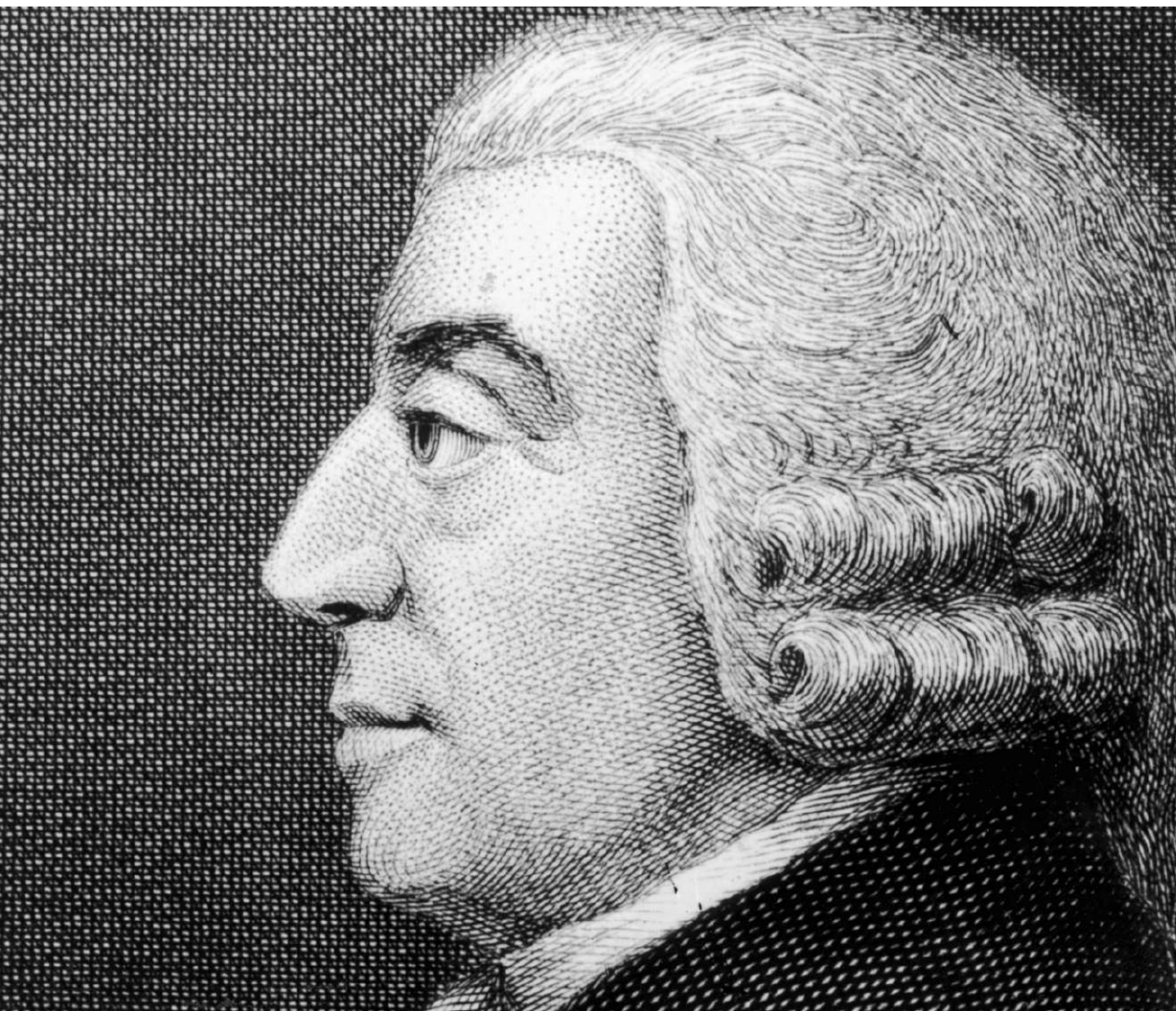


Venezuela's collapse



Sinopsis of the Venezuelan Crisis

Attack on economic rights



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by Mr. Pitts to H. Austell*



AN
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The Invisible Hand of the Markets



Markets Self-Organize



