

# A COMPREHENSIVE OVERVIEW OF THE OVERALL RESULTS OF THE LAKLEMS PROJECT

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SPECIAL LAKLEMS SESSION  
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MARCH 16, 2021

# LAKLEMS

## OUTLINE

INTRODUCTION

BACKGROUND

COUNTRY PARTICIPATION

SOME RESULTS

- VALUE ADDED
- TFP
- PPP COMPARISONS
- WEB PAGE ([LAKLEMS.NET](http://LAKLEMS.NET))



# LAKLEMS

## BACKGROUND

### EU-KLEMS

INTRODUCED DISAGGREGATED GROWTH ACCOUNTING FOR EUROPEAN COUNTRIES INCLUDING INVESTMENT IN ICT.

### LAKLEMS IN ECLAC

AROUND 2010 THE FIRST LAKLEMS INITIATIVE STARTED WITH ARGENTINA, BRASIL, CHILE AND MEXICO.

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### IADB LAKLEMS

END 2016 IADB JOINED FORCES WITH LAKLEMS.



# LAKLEMS

## COUNTRY PARTICIPATION

INITIAL PHASE: ARGENTINA, BRASIL, CHILE AND MEXICO. SOMEWHAT LATER ALSO COLOMBIA JOINED THE INIATIVE.

ACTUALLY: ABOVE MENTIONED COUNTRIES AND COSTA RICA, DOMINICAN REPUBLIC, EL SALVADOR, HONDURAS AND PERÚ.

COUNTRIES ARE MOSTLY REPRESENTED BY THEIR STATISTICAL AGENCIES:

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- ADVANTAGE IN POLICY IMPLEMENTATION
- DISADVANTAGE OF LOWER RESEARCH OUTPUT

## RESULTS

Real Value Added Growth Rate (% per year)

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# Latin America: Real Value Added Growth Rate

(% per year)

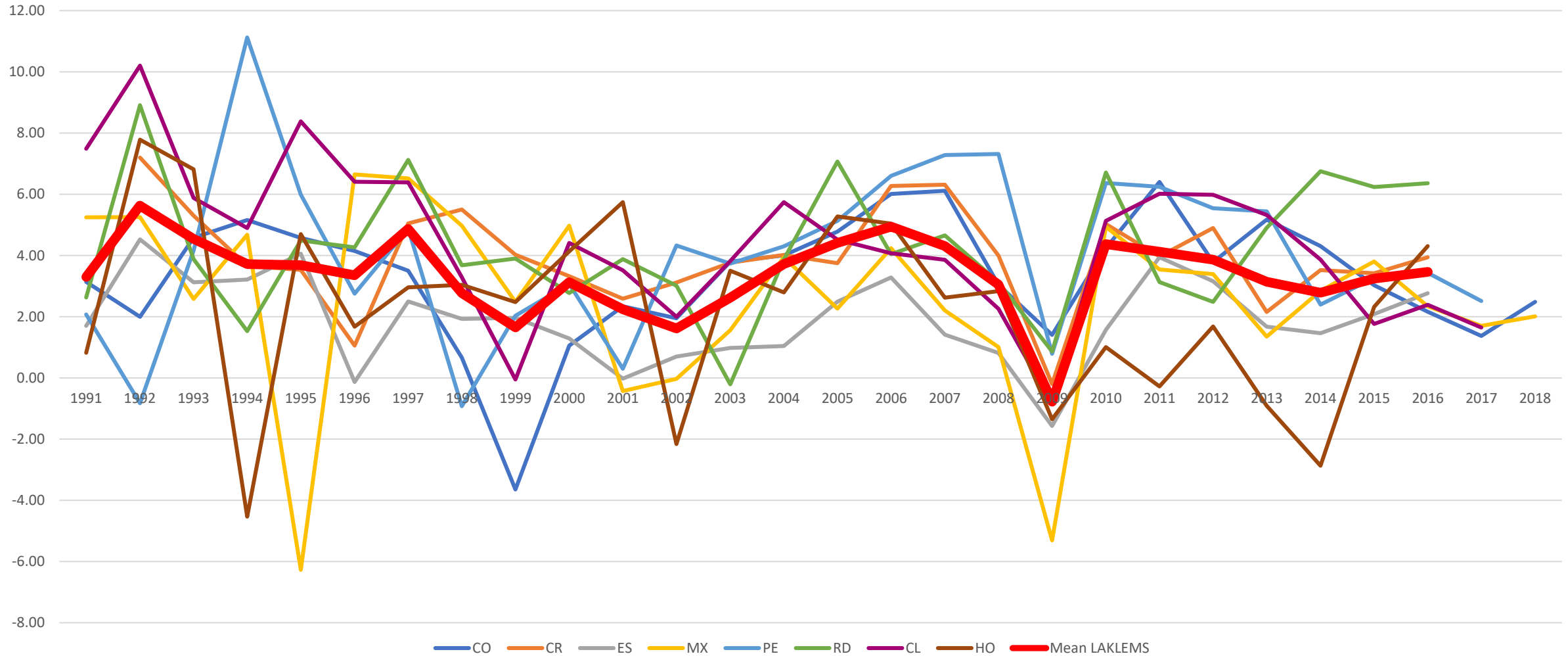
VA\_Q



# Latin America: Real Value Added Growth Rate

(% per year)

VA\_Q



RESULTS

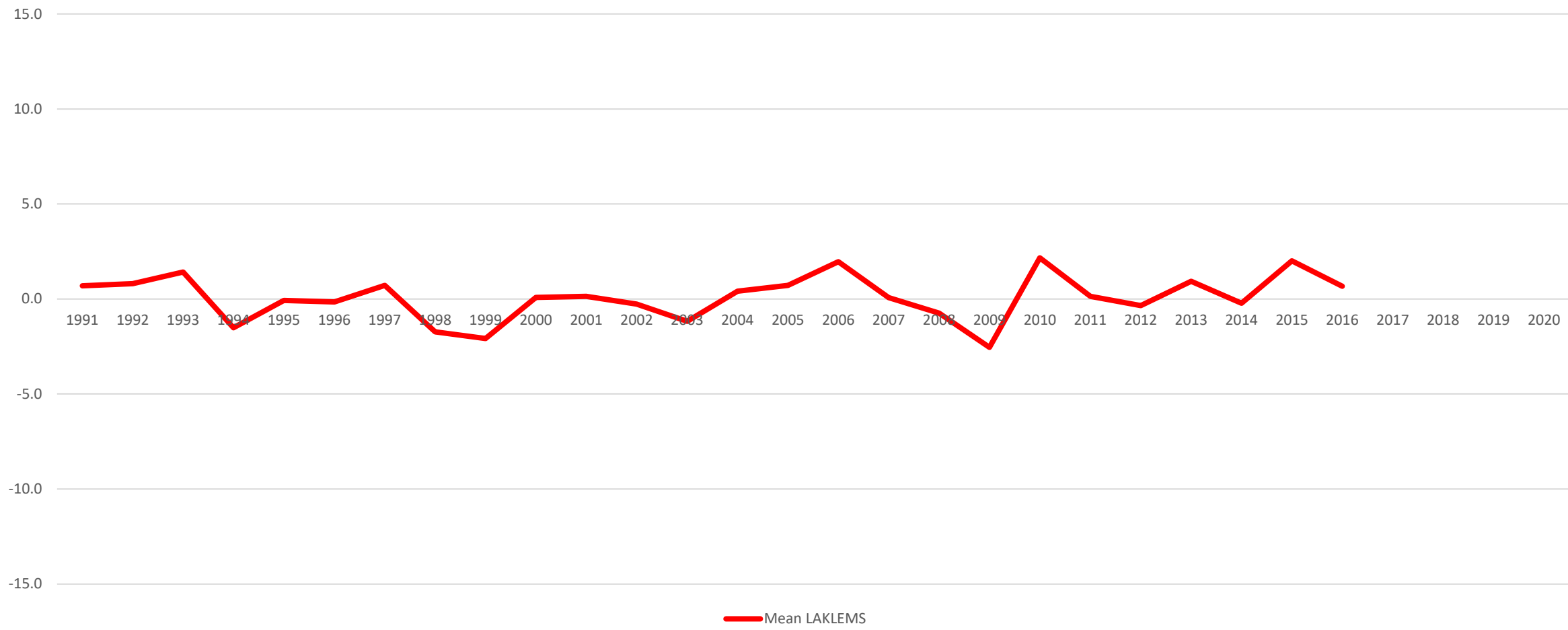
TOTAL FACTOR PRODUCTIVITY, 8 COUNTRIES

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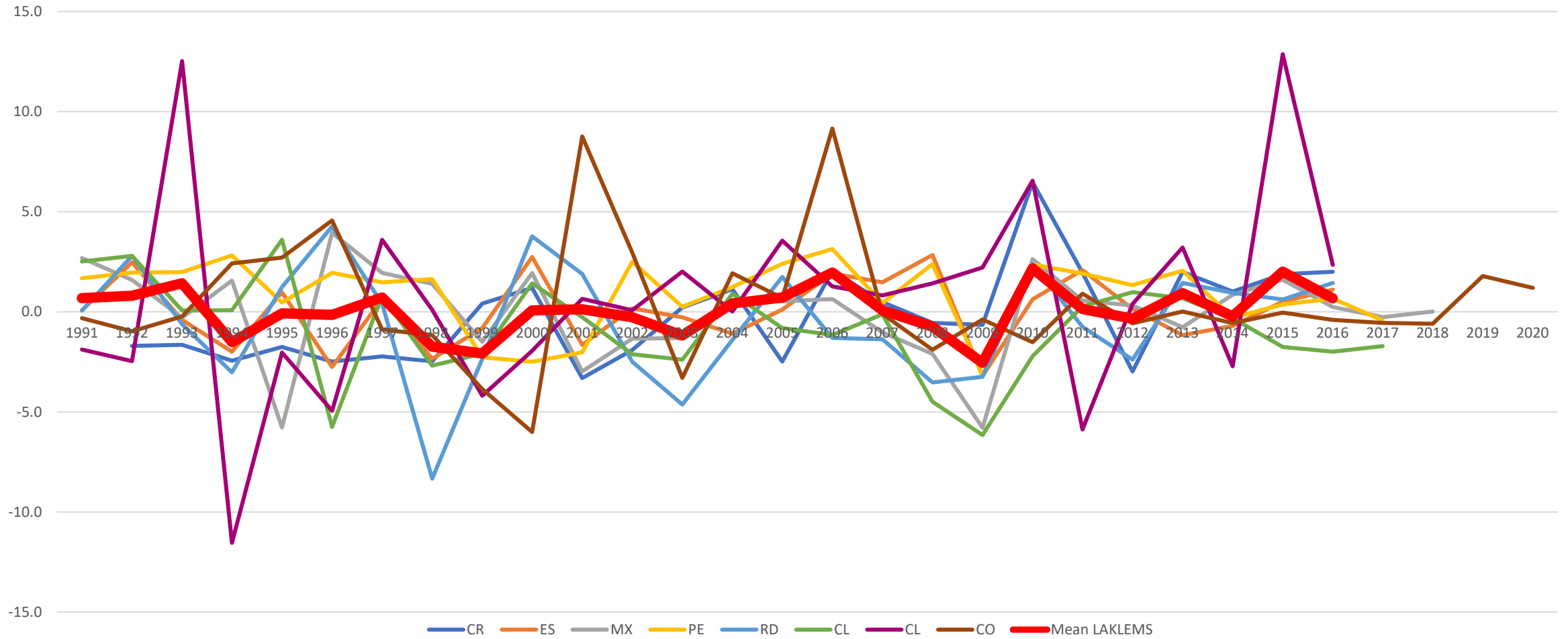
# Contribution of TFP to Value Added Growth (porcentaje points)

PTF



# Contribution of TFP to Value Added Growth (porcentaje puntos)

PTF



# LA KLEMS PPP

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Objective: PPPs for output and inputs for LA economies

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This work was jointly done with Wulong Gu of Statistics Canada

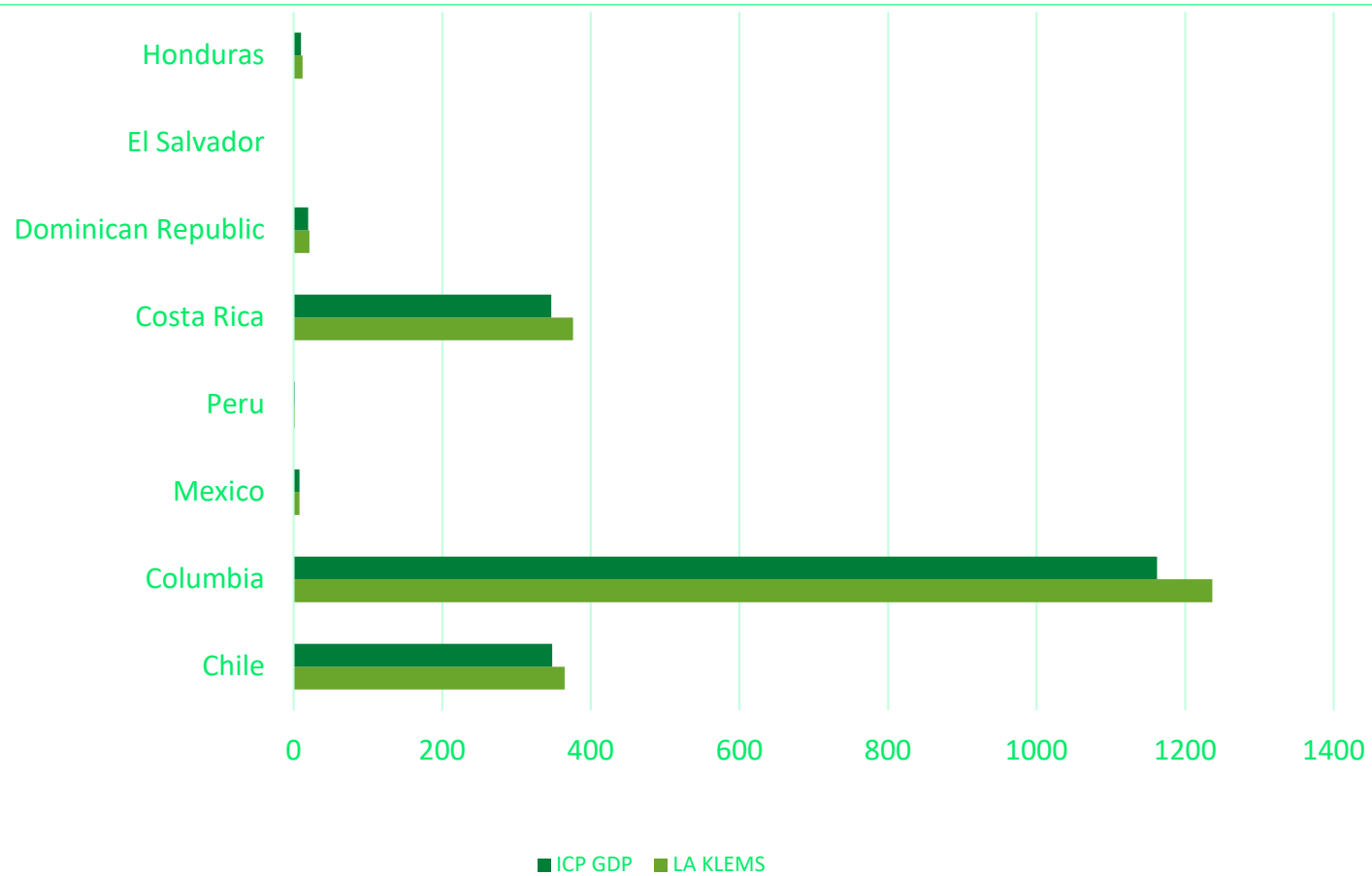
Construct PPPs for gross output, intermediate inputs and value added at the industry level for LA economies

8 LA economies: Chile, Colombia, Costa Rica, El Salvador, Guatemala, Mexico, Peru and the Dominican Republic

9 sectors: Agriculture; Mining; Manufacturing; Electricity, gas, and water supply; Construction; Wholesale and retail trade; Transport and storage and communication; Finance, insurance, real estate, and business services; and Community social and personal services

Reference year: 2011

# PPPs for GDP in total economy, LA KLEMS vs ICP, 2011 (National currency per US dollars)



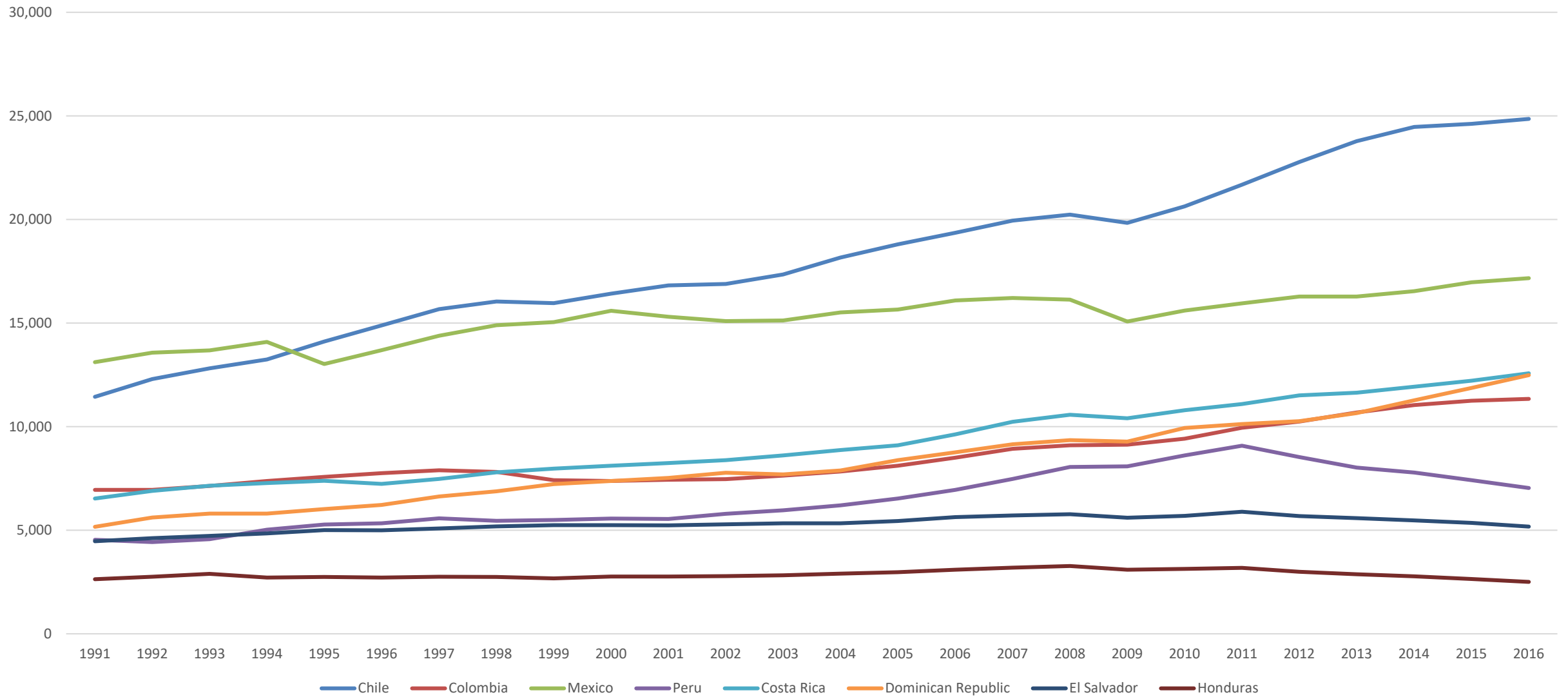
## 2016 GDP, international 2011 dollars based on LA KLEMS PPP

	Total GDP (billion)	% of USA
<b>LAKLEMS Countries</b>	<b>3.582</b>	<b>20,9%</b>
Mexico	2.117	12,4%
Colombia	547	3,2%
Chile	453	2,6%
Peru	218	1,3%
Dominican Republic	130	0,8%
Costa Rica	62	0,4%
El Salvador	33	0,2%
Honduras	23	0,1%
<b>LAKLEMS + AR + BR</b>	<b>7.406</b>	<b>43,3%</b>
Argentina	885	5,2%
Brazil	2.939	17,2%
USA	17.119	

## 2016 GDP per capita, international 2011 dollars based on LA KLEMS PPP

	Population (mill)	GDP per capita
Chile	18,21	24.856
Mexico	123,33	17.168
Costa Rica	4,90	12.576
Dominican Republic	10,40	12.489
Colombia	48,18	11.348
Peru	30,93	7.040
El Salvador	6,36	5.178
Honduras	9,27	2.512

# 1991-2016 GDP per capita, international 2011 dollars based on LA KLEMS PPP





## Latin America: highest and lowest labour productivity per industry in 2016

	Highest	Lowest
Total economy	Chile	Honduras
Agriculture, hunting, forestry, and fishing ( AtB )	Mexico	Honduras
Mining and quarrying ( C )	Mexico	Honduras
Total manufacturing ( D )	Chile	Honduras
Electricity, gas, and water supply ( E )	El Salvador	Honduras
Construction ( F )	Dominican Republic	Honduras
Wholesale, retail trade, and hotels and restaurants ( GtH )	Mexico	El Salvador
Transport and storage and communication ( I )	Chile	Honduras
Finance, insurance, real estate, and business services ( JtK )	Mexico	Honduras
Community social and personal services ( LtQ )	Mexico	Peru

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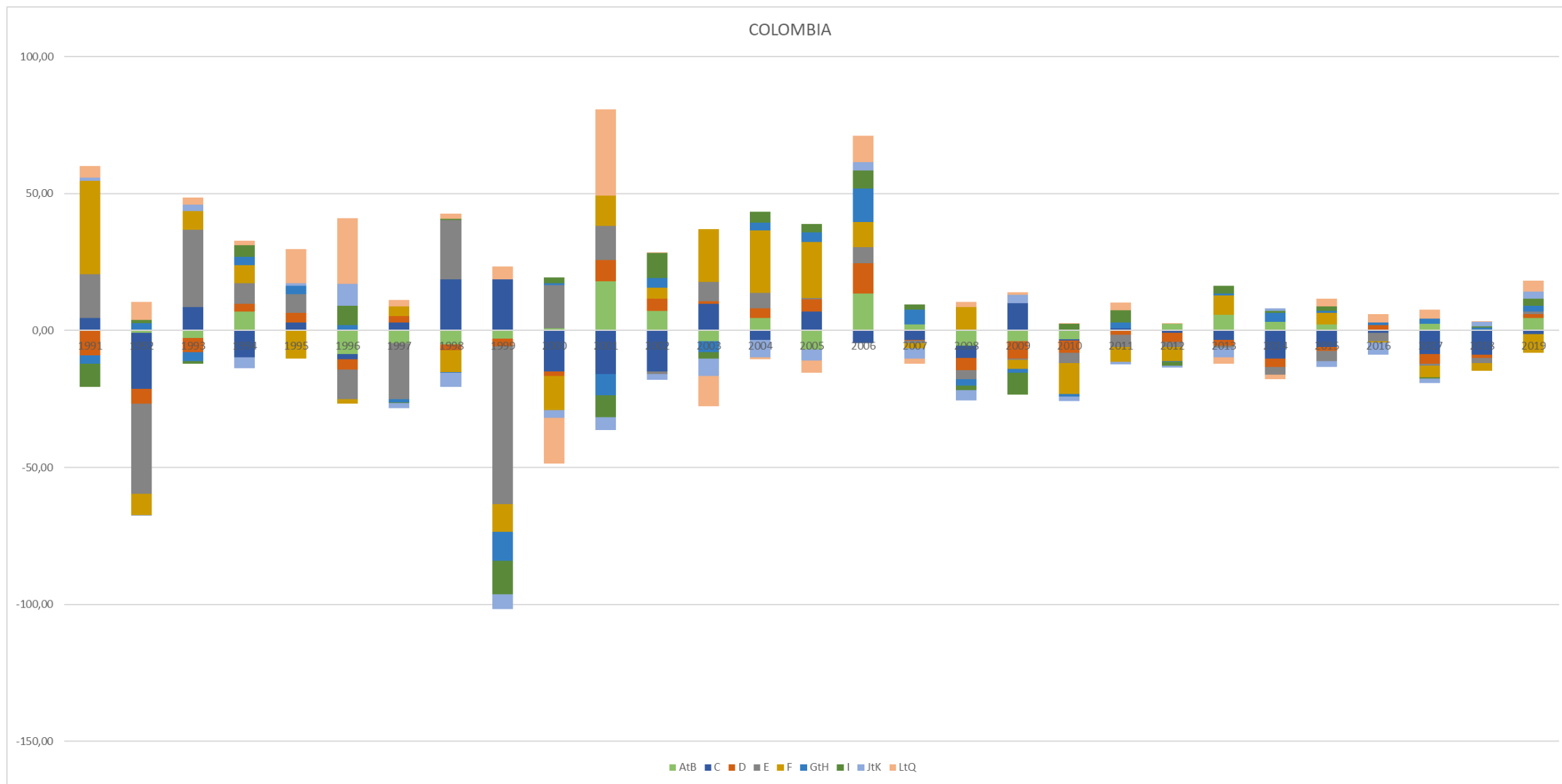
[WWW.LAKLEMS.NET](http://WWW.LAKLEMS.NET)

TFP per country and per industry

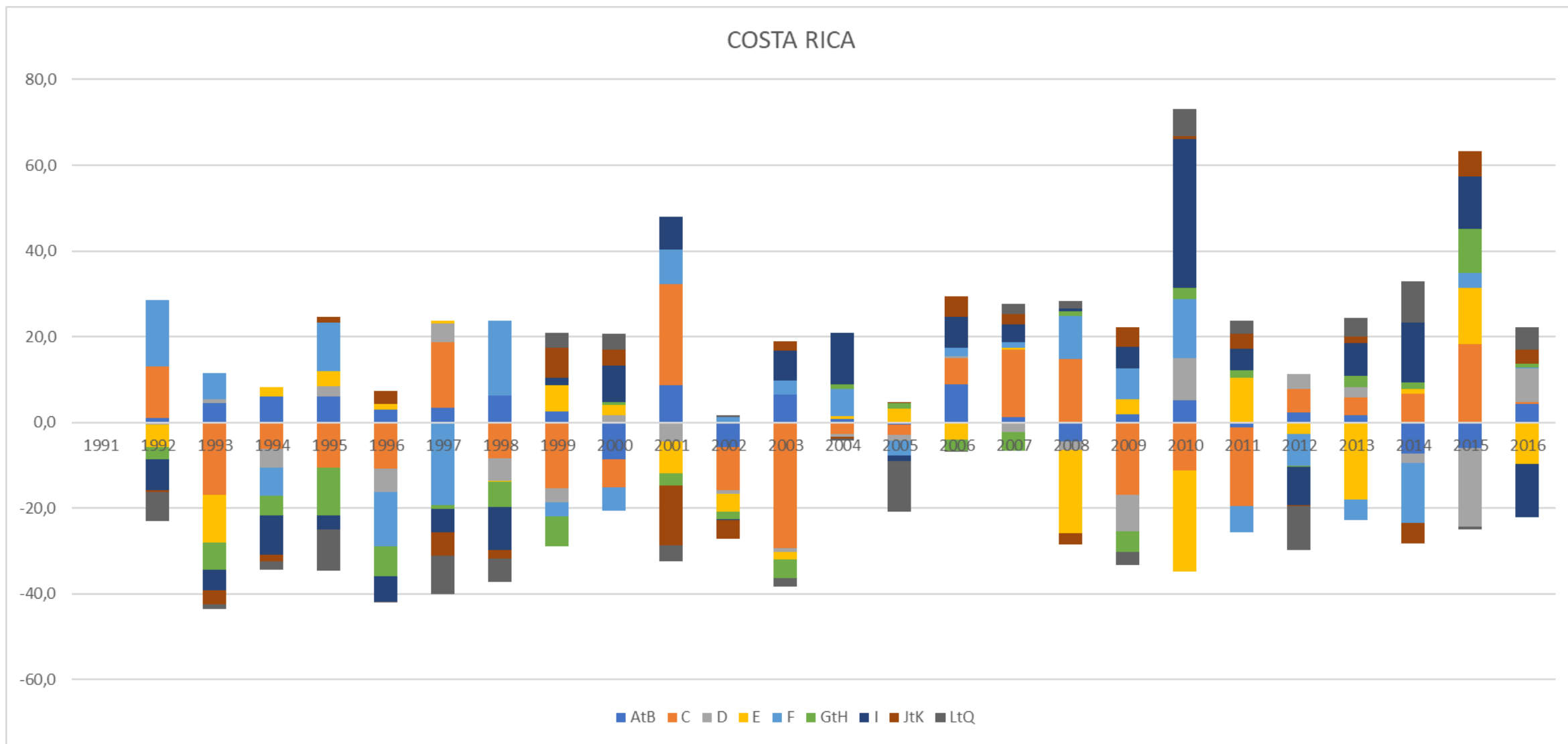
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# COLOMBIA: Contribución de la PTF al crecimiento del valor agregado



# COSTA RICA : Contribución de la PTF al crecimiento del valor agregado



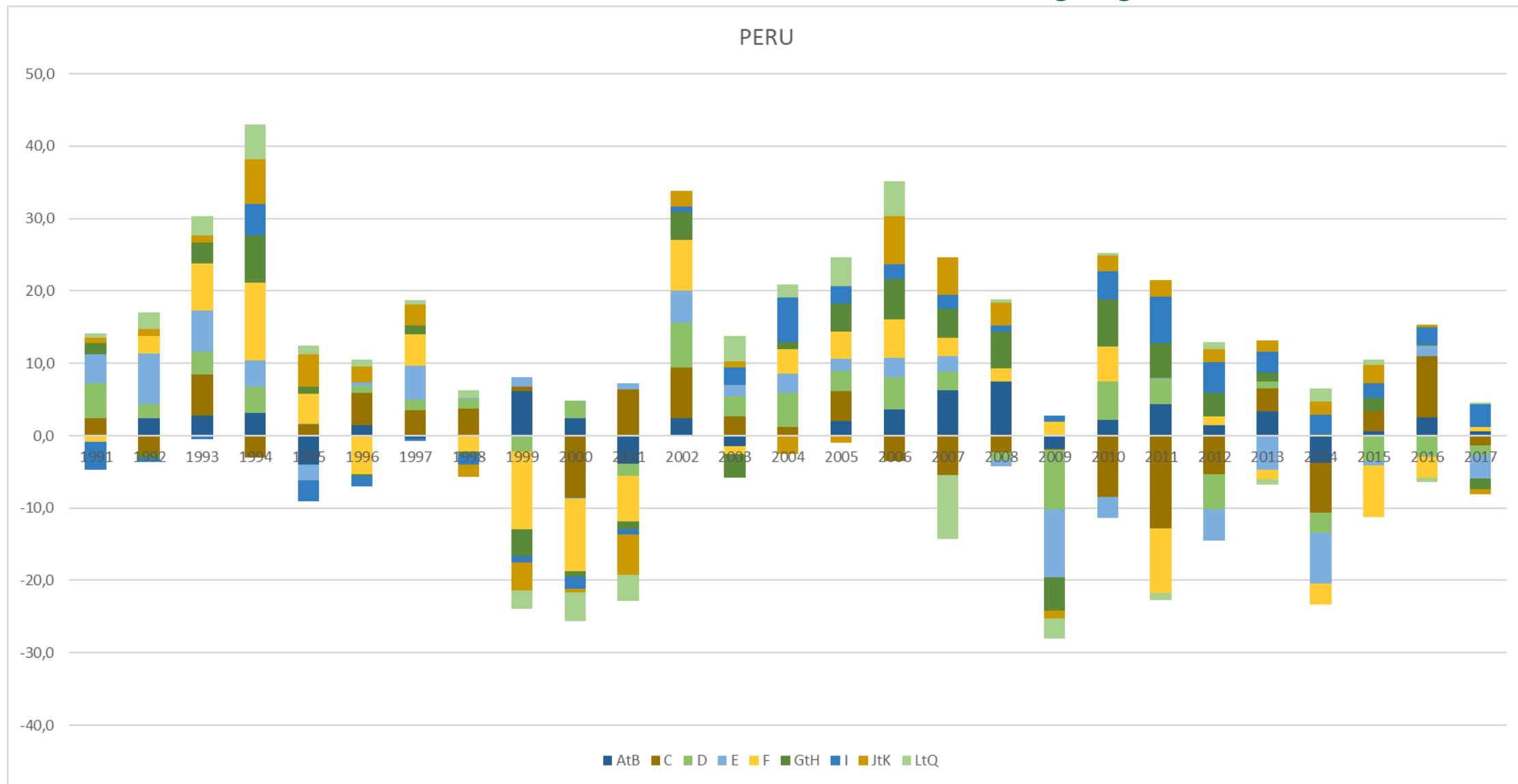




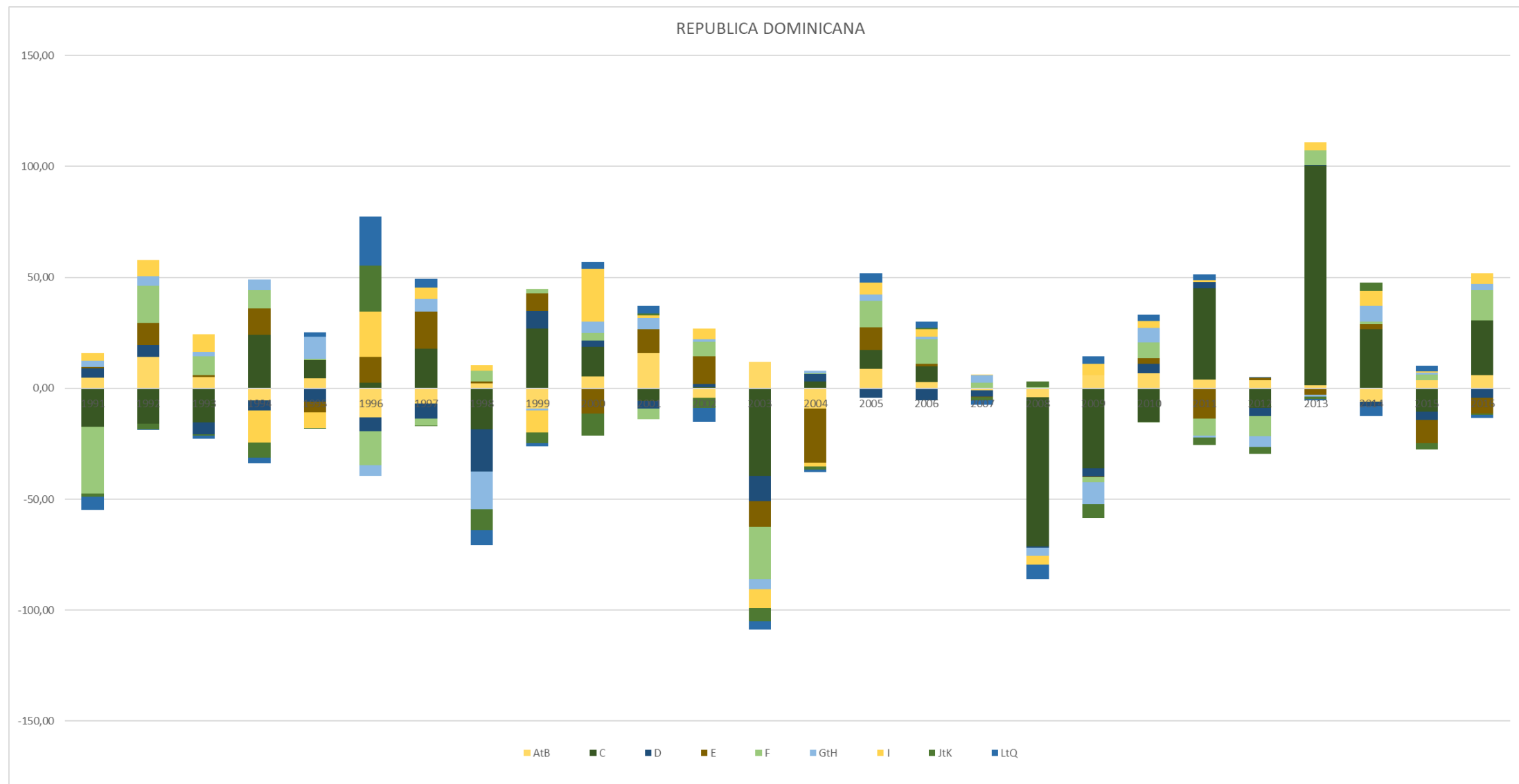




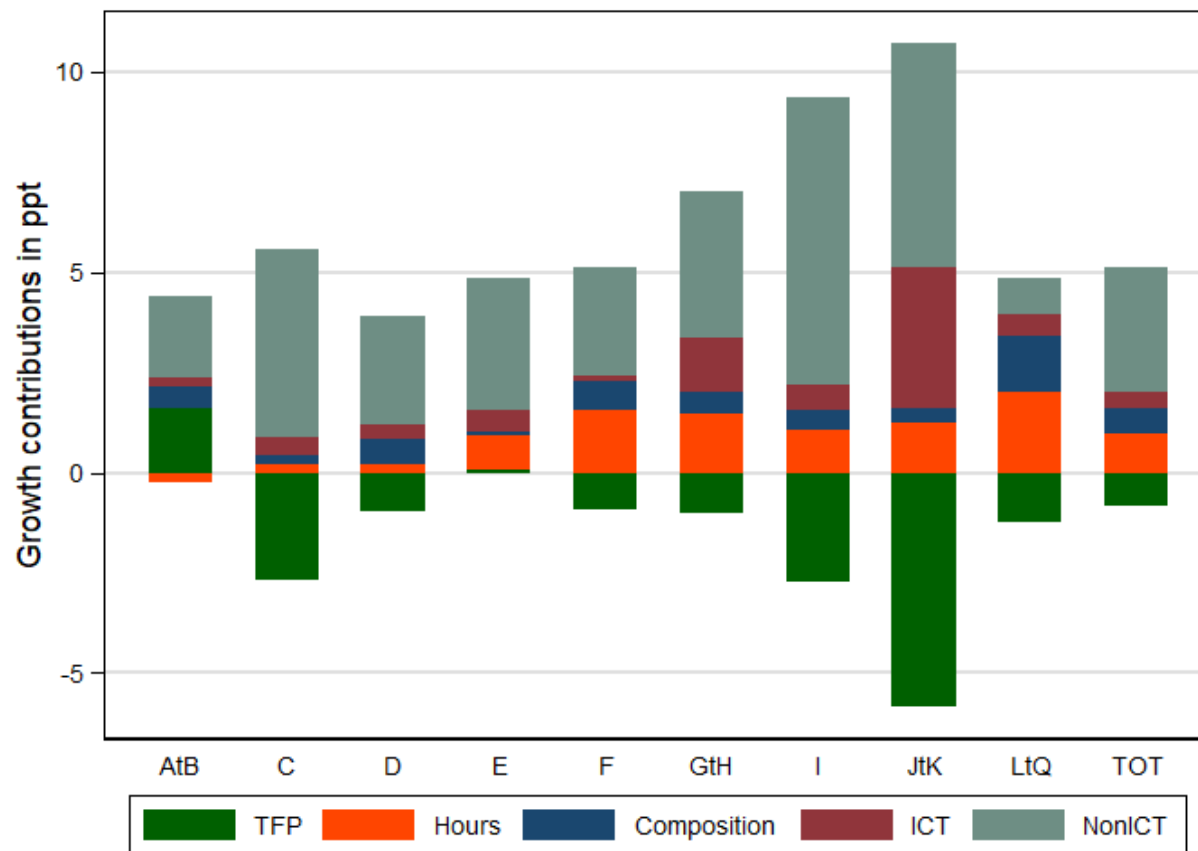
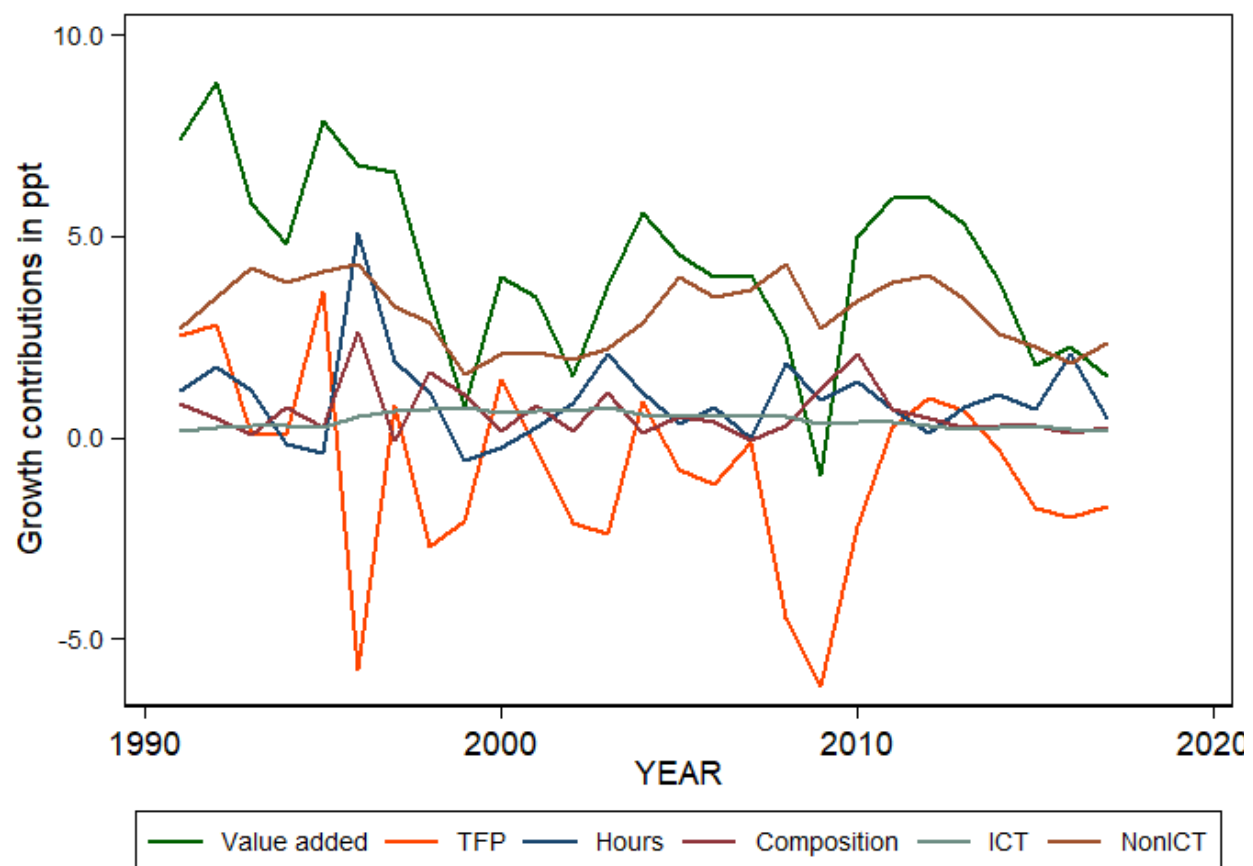
# PERU: Contribución de la PTF al crecimiento del valor agregado



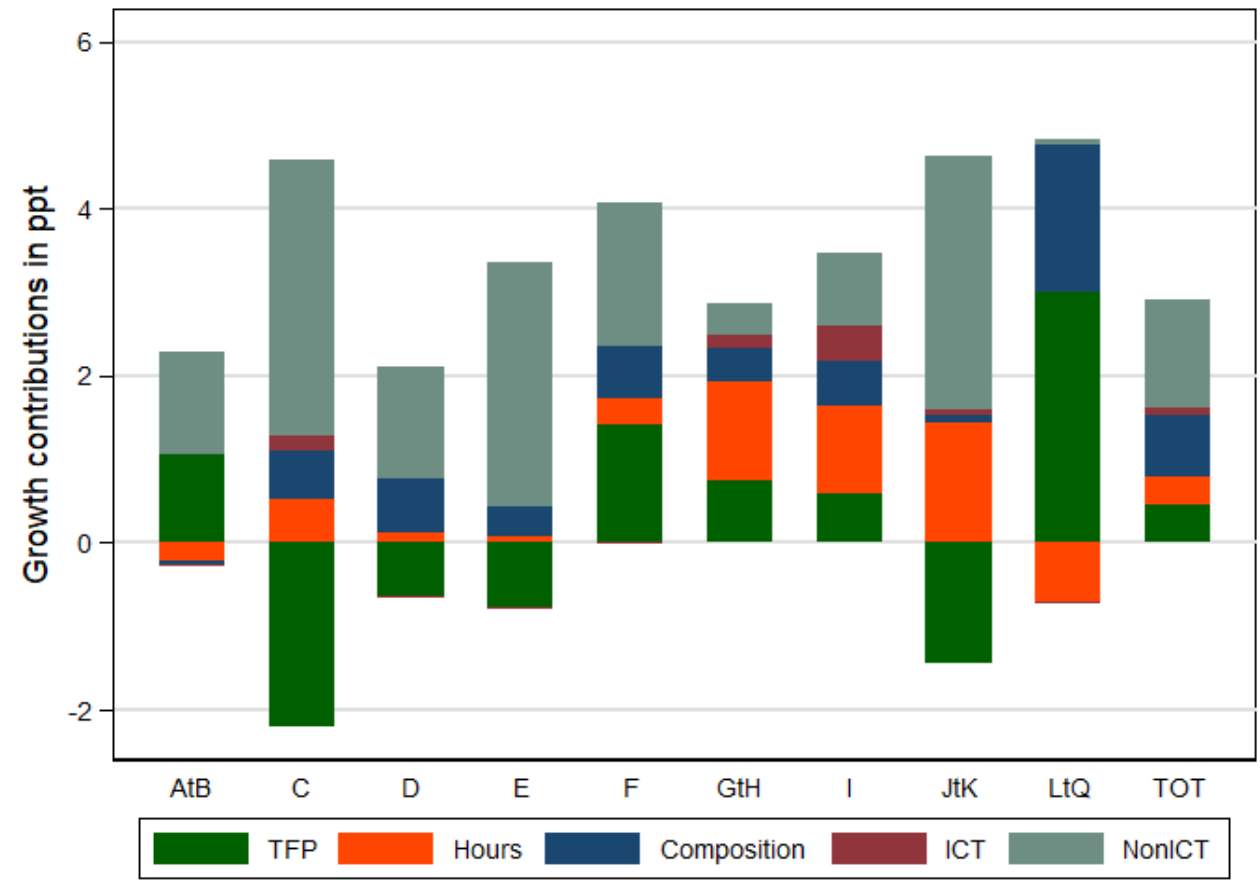
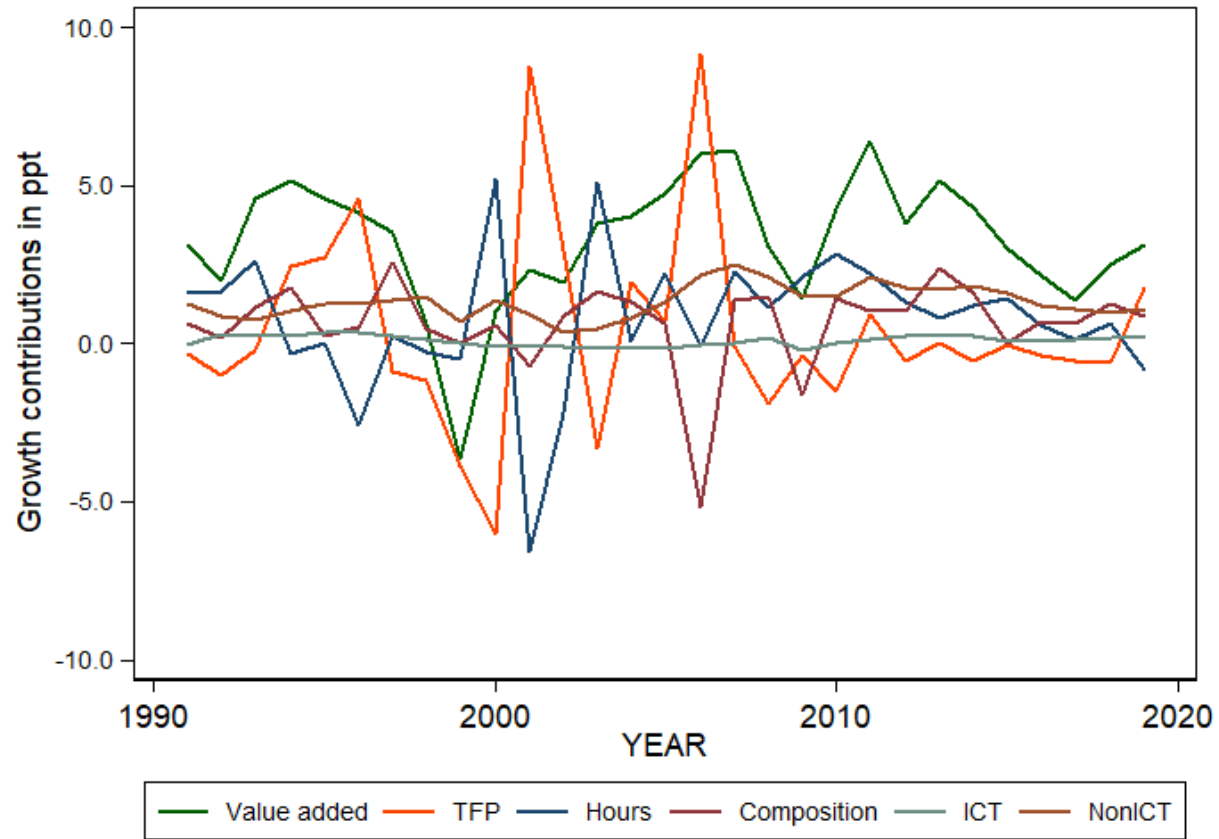
# REP. DOMINICANA: Contribución de la PTF al crecimiento del valor agregado



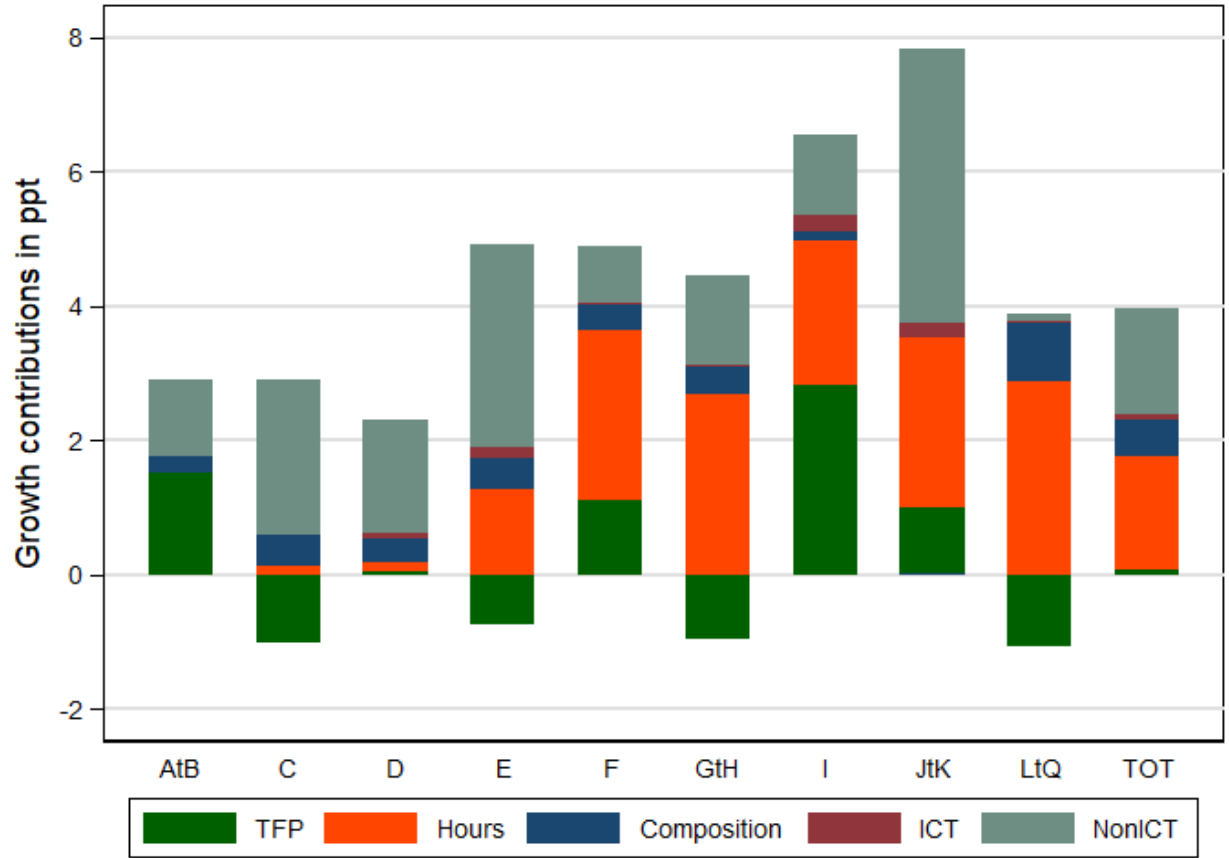
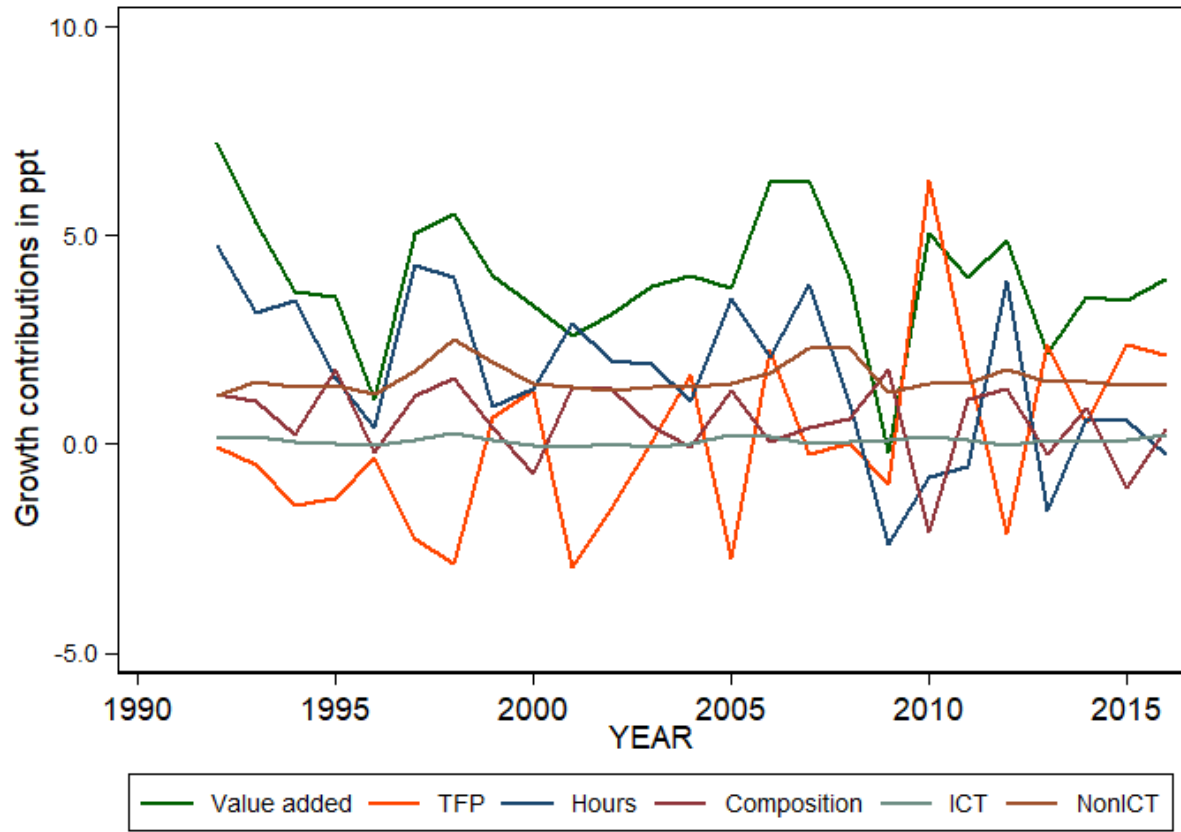
# CHILE



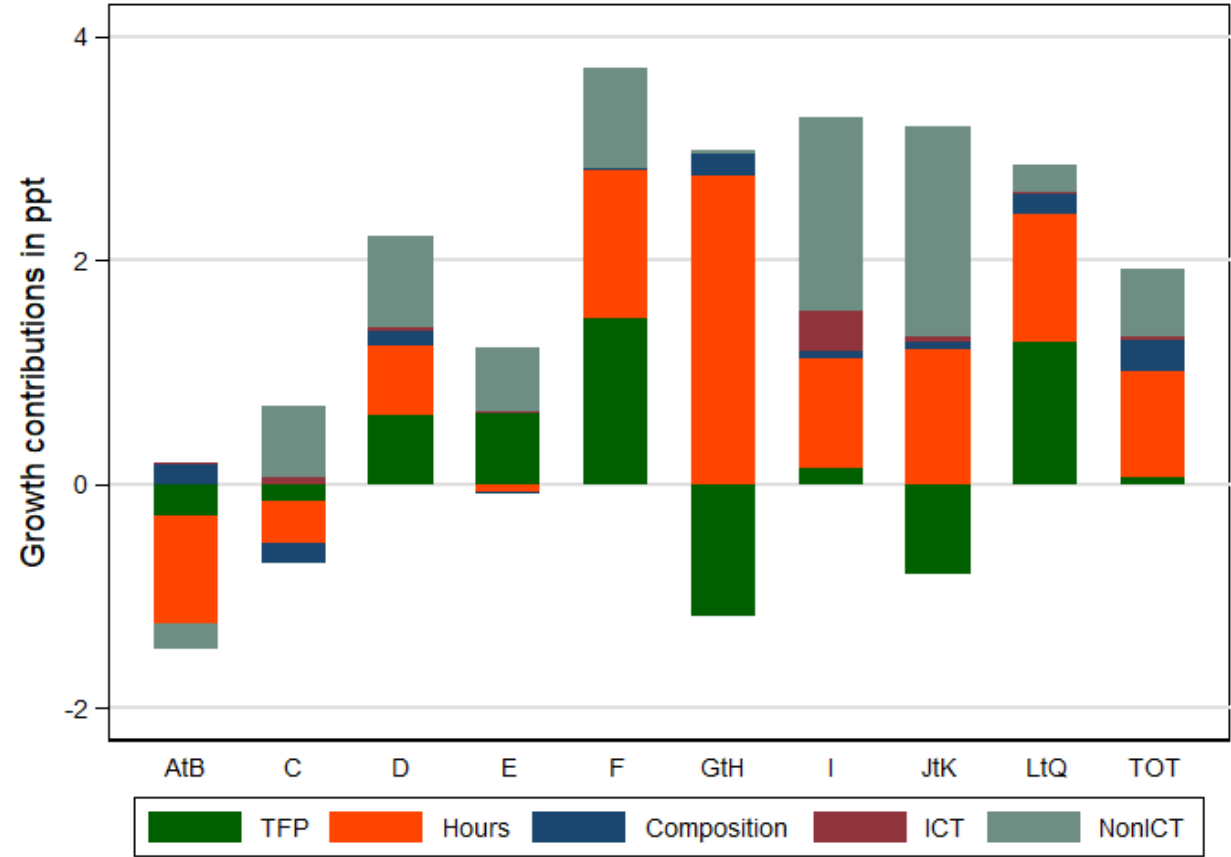
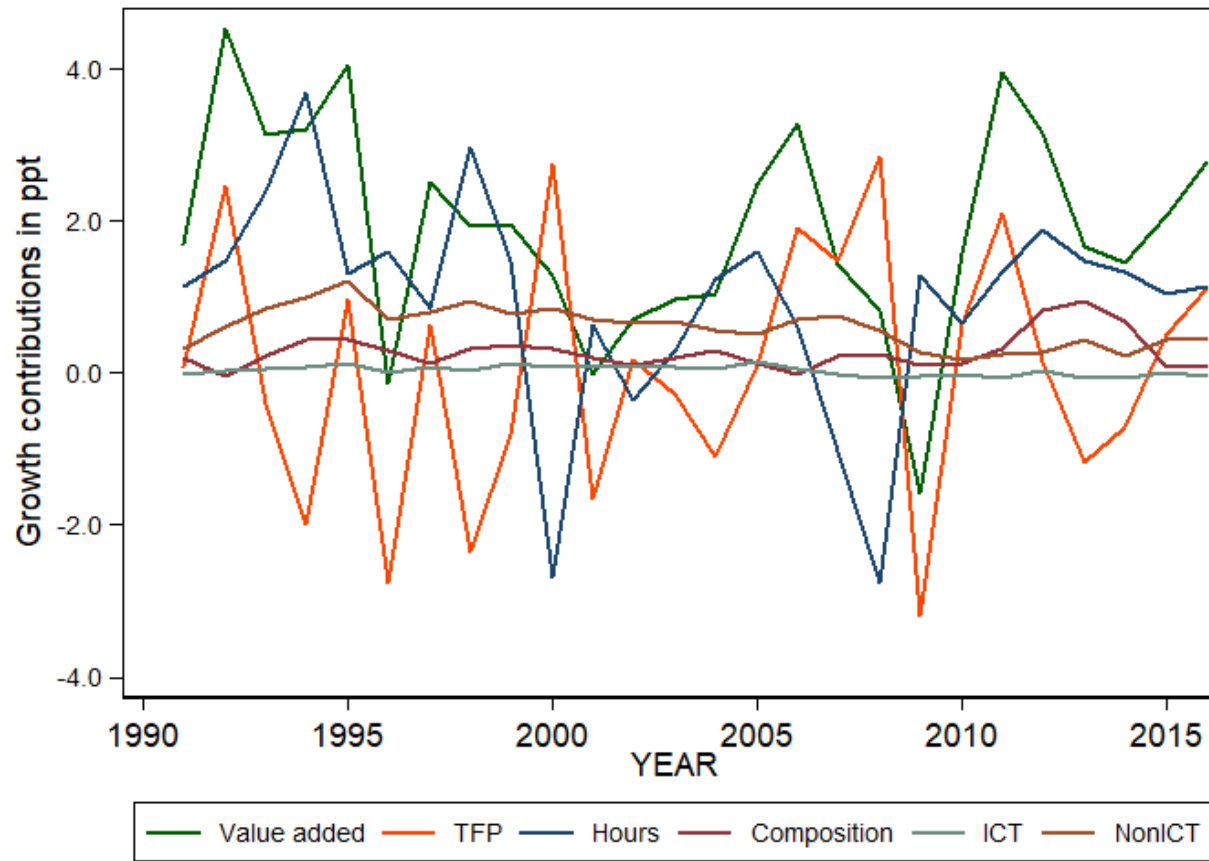
# COLOMBIA



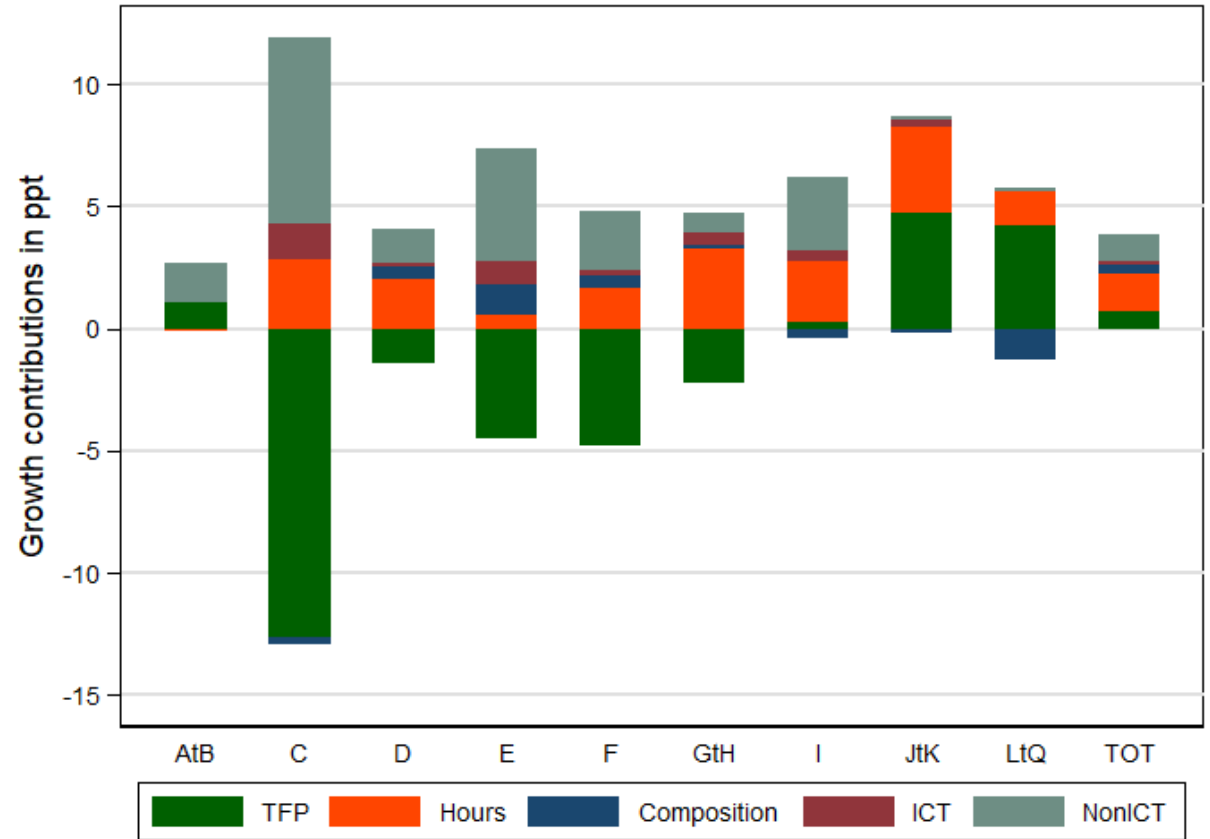
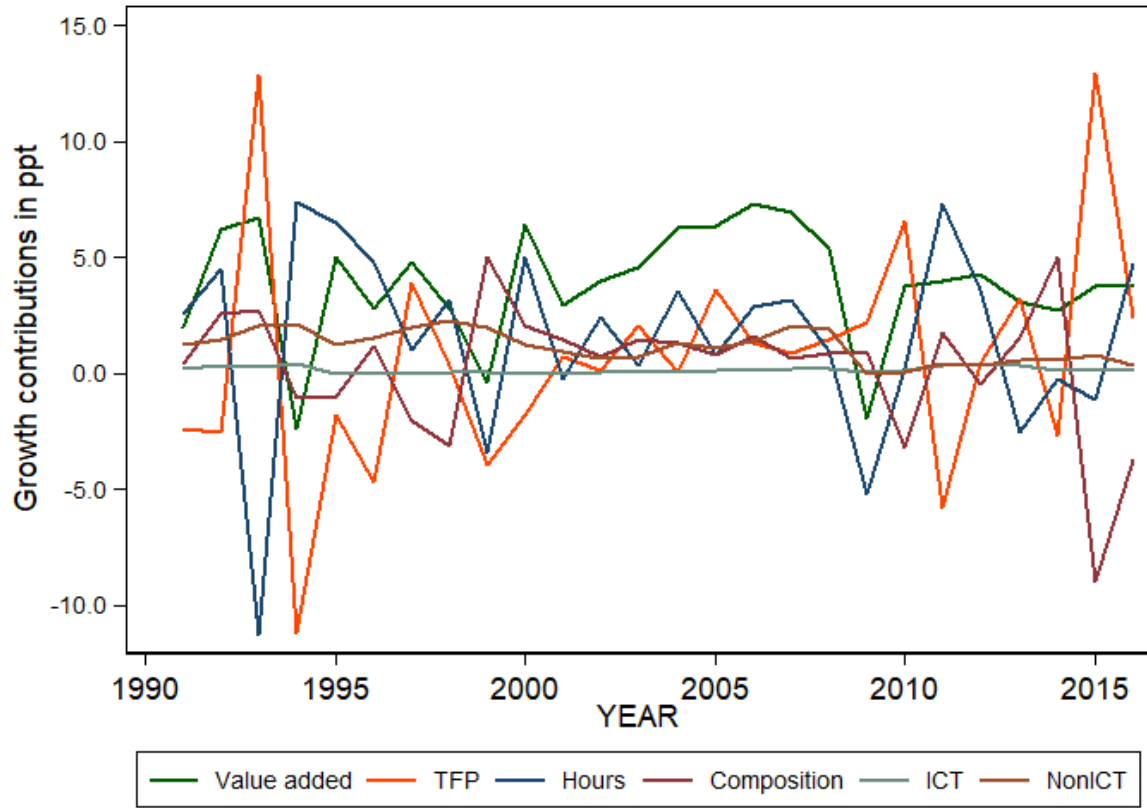
# COSTA RICA



# EL SALVADOR

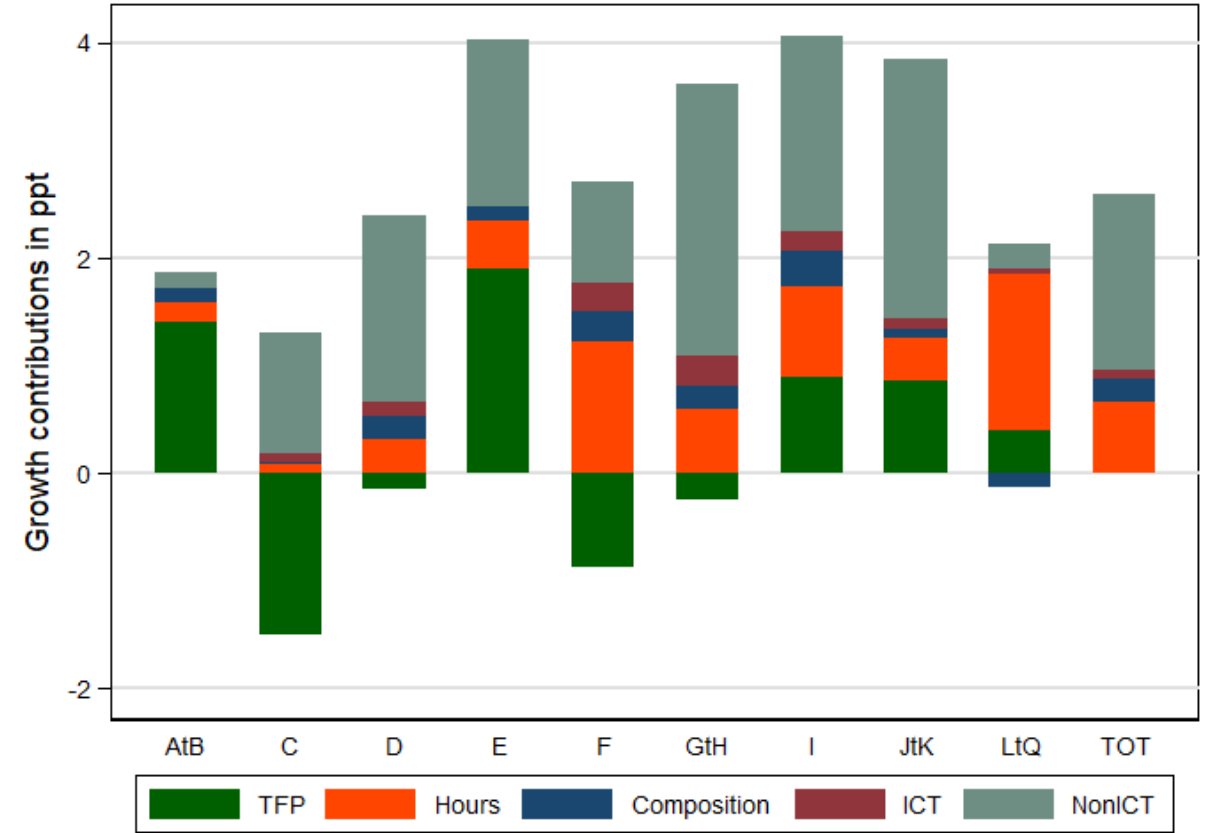
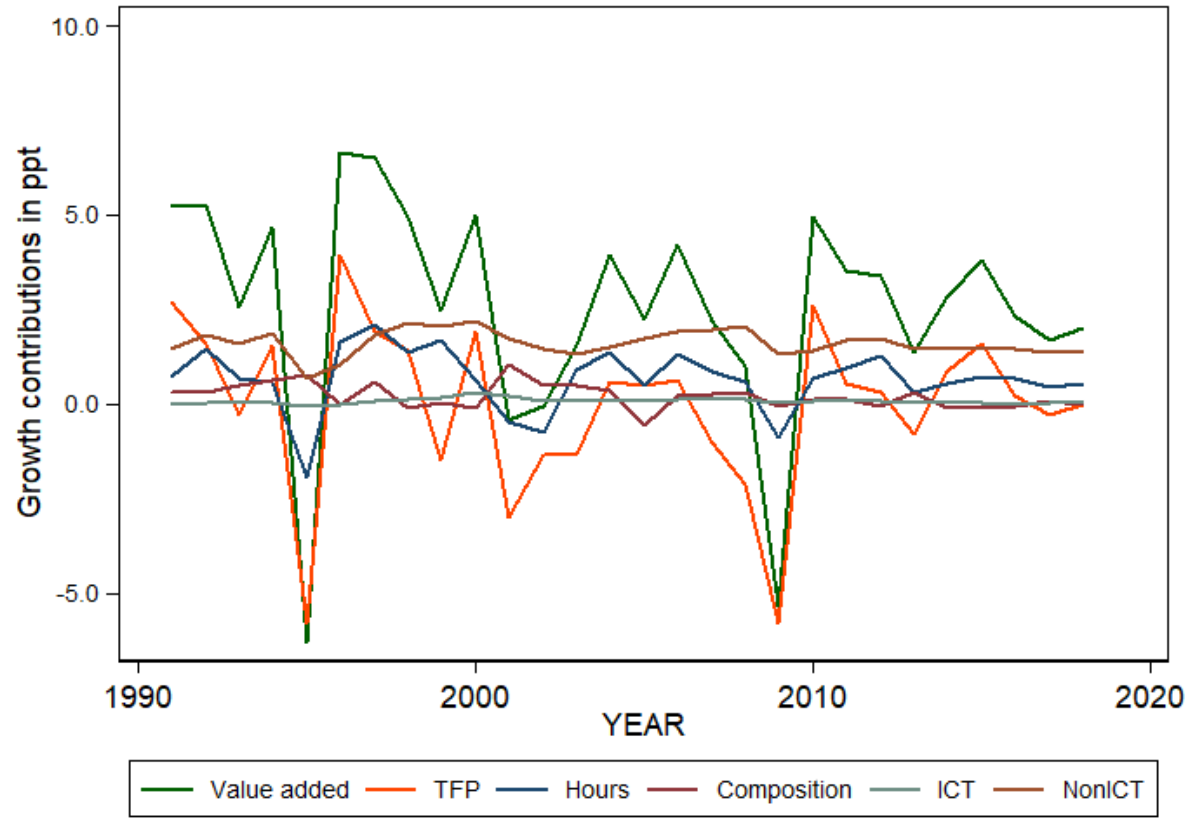


# HONDURAS

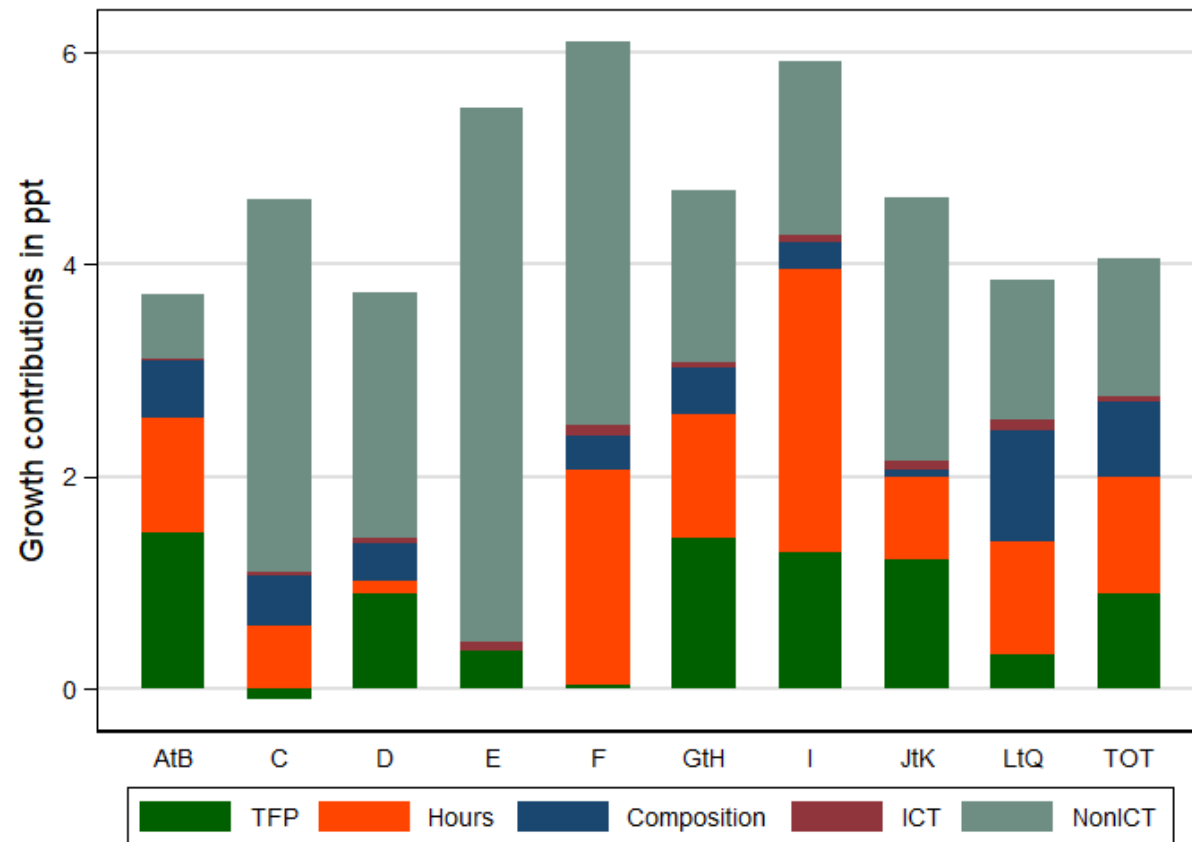
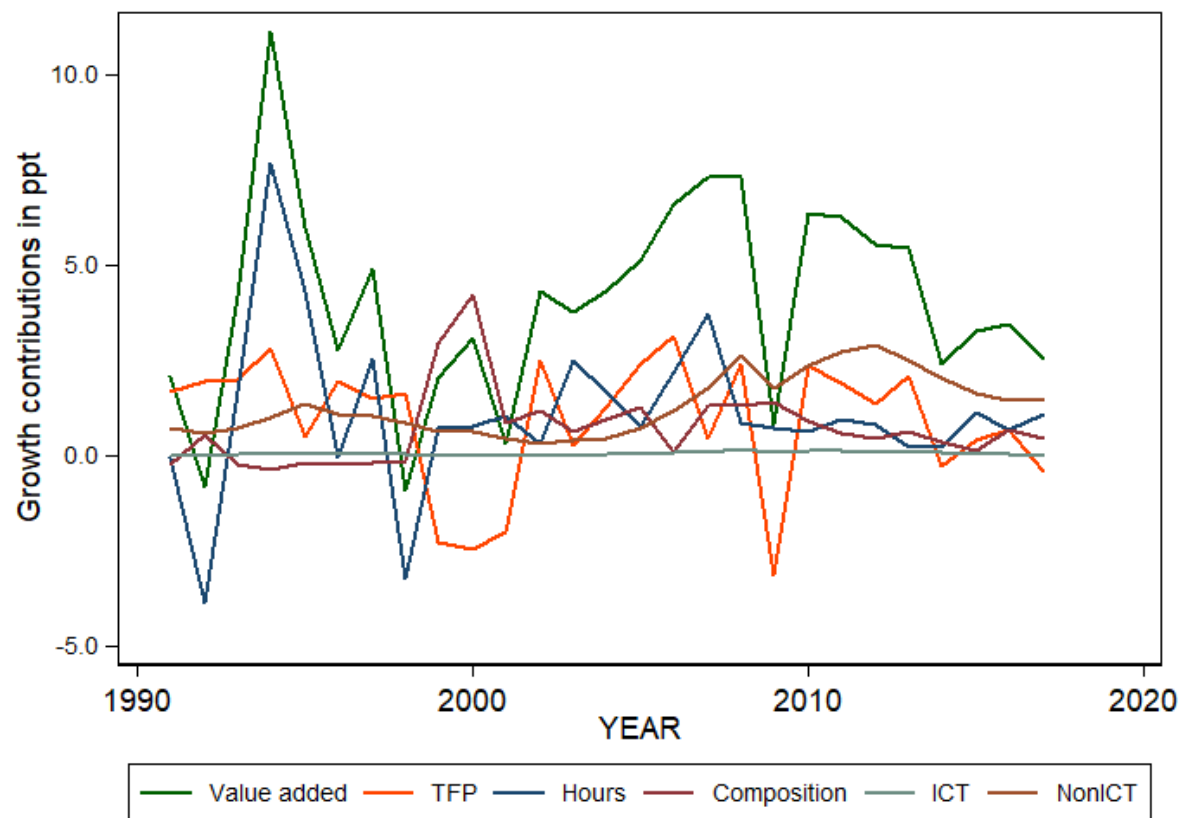




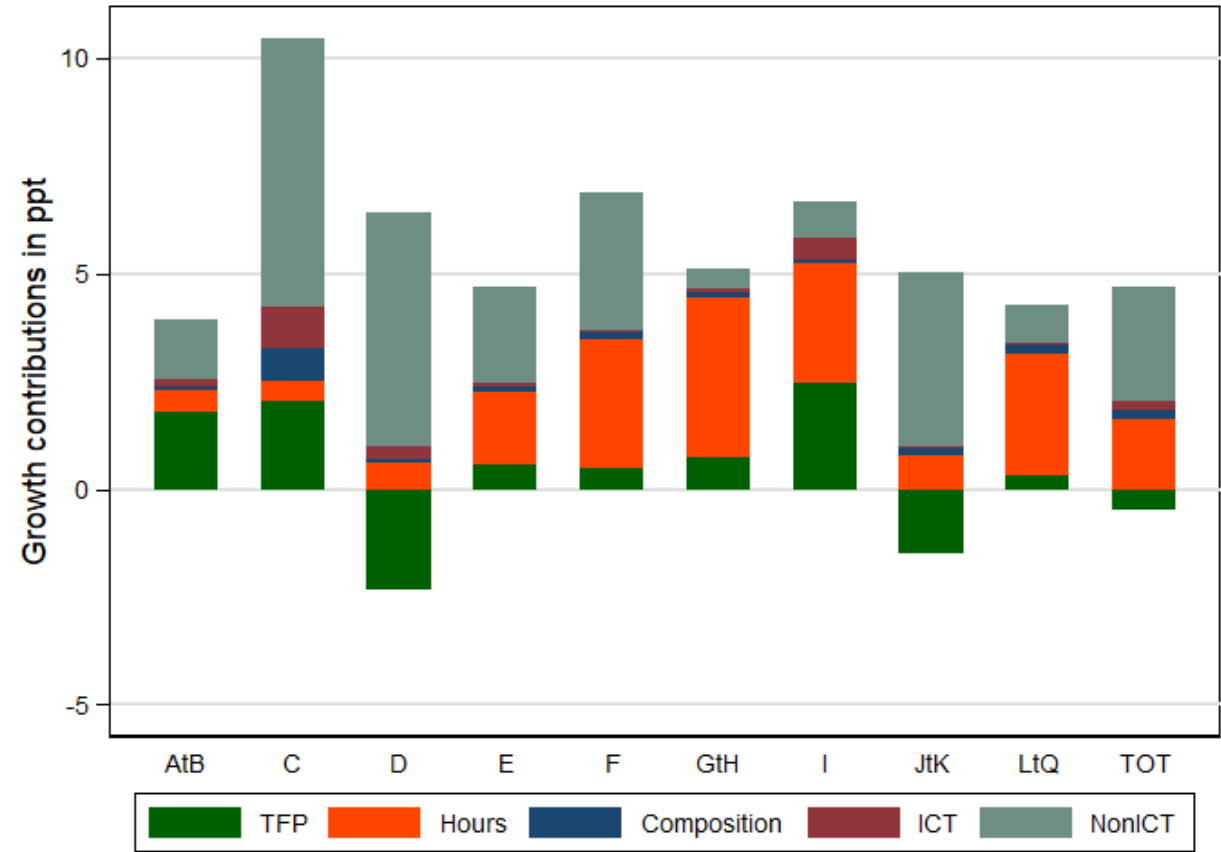
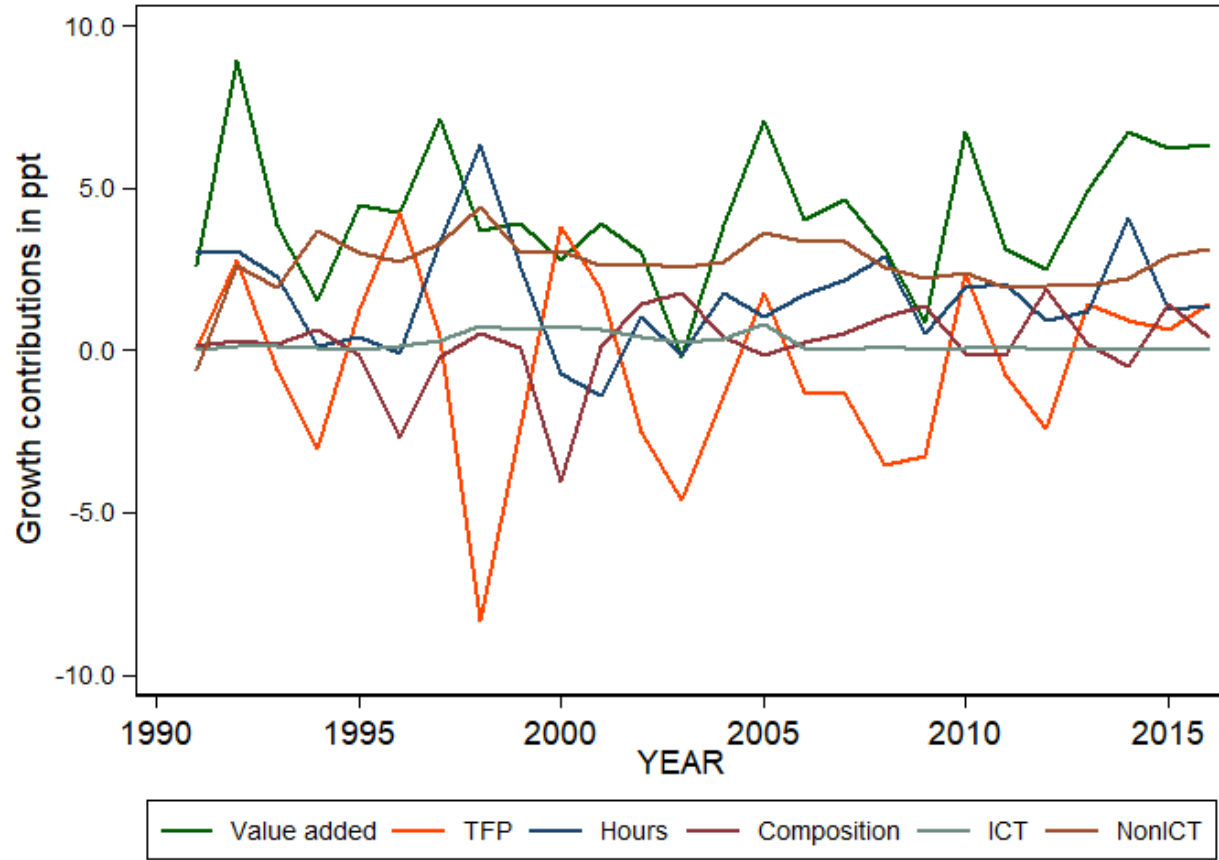
# MÉXICO



# PERÚ



# REPÚBLICA DOMINICANA



# LA KLEMS PPP

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