

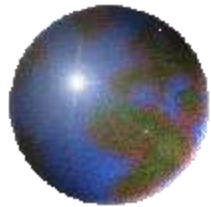
# WELCOME



31.05.2012

[www.ahmetsaltik.net](http://www.ahmetsaltik.net) Prof.SALTIK

1



# Tables and Graphs : Construction & Tricks

**Ahmet SALTIK, MD**

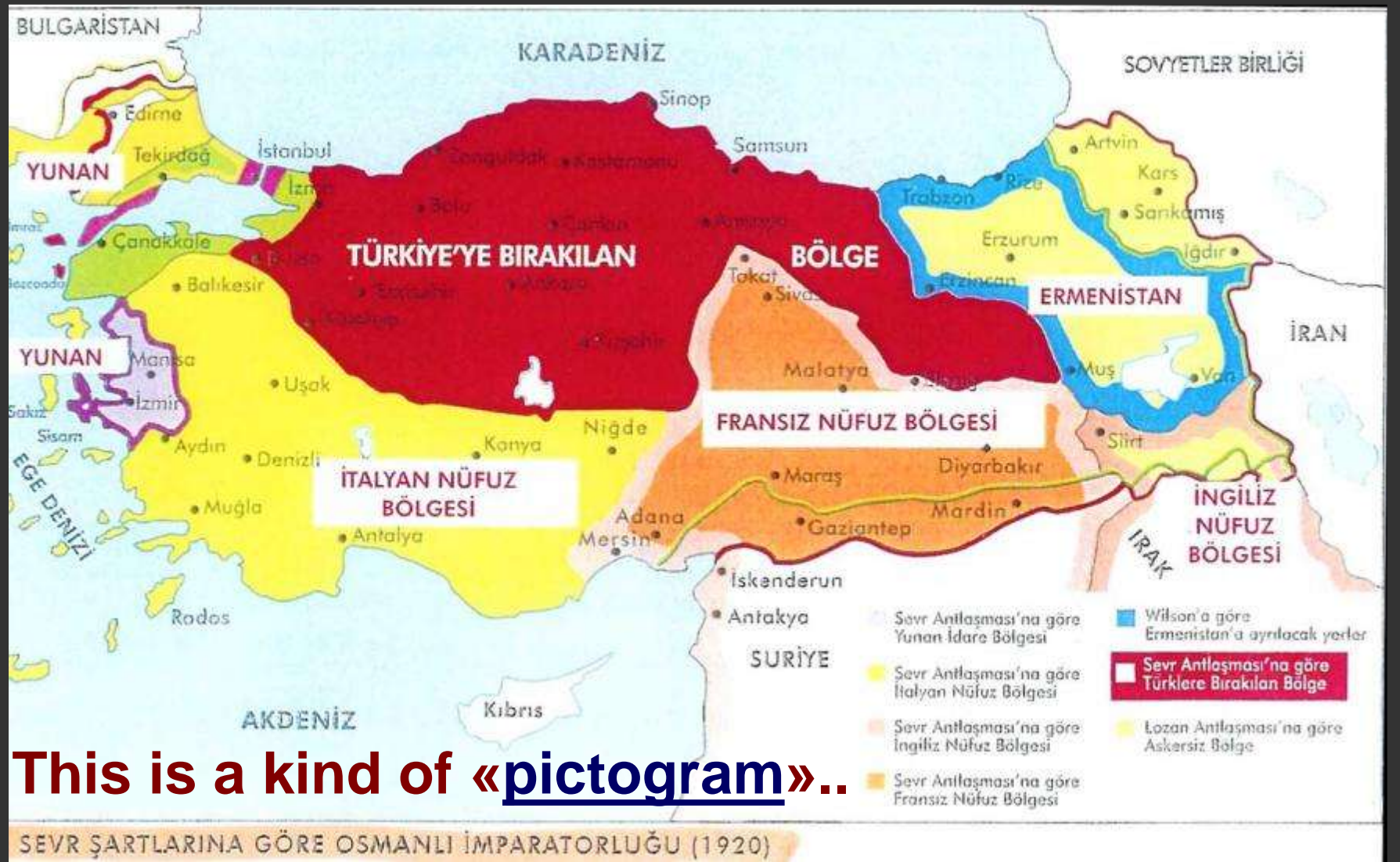
Professor of Public Health

***[www.ahmetsaltik.net](http://www.ahmetsaltik.net)***

AU Medical School Dept. of Public Health

# Method for Conducting Systematic Reviews Consists of Five Steps

- Develop conceptual framework
- Search for and retrieve evidence
- Rate quality of evidence
- **Summarize evidence**
- **Translate strength of evidence into recommendation**



**This is a kind of «pictogram»..**

**10th August 1920, The Sevres Treaty approved by the Last Ottoman Sultan Vahdettin the 6th!**

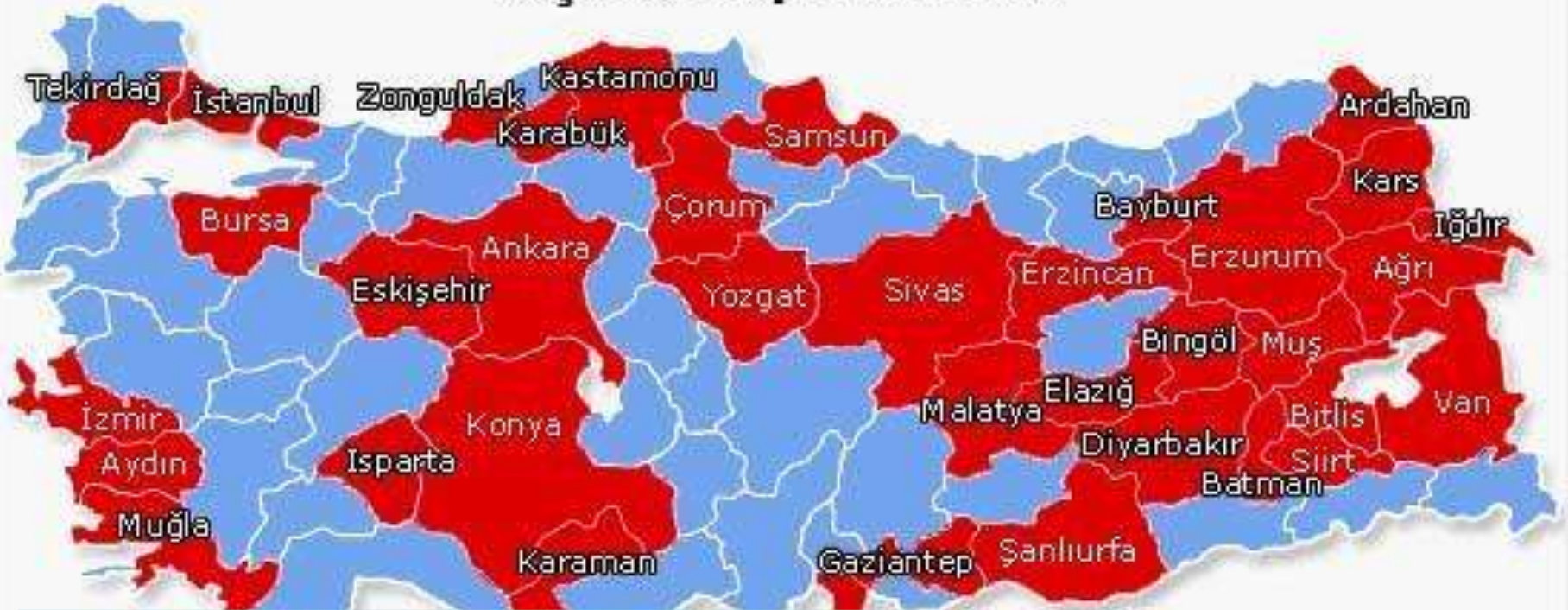






# Avian influenza epidemics in Türkiye, 18th Jan. 2006, <http://www.msn.com.tr/news4/>

## Kuş Gribi Tespit Edilen İller



Once again «[a pictogram](#)»..



# World by Population

>> Size equals inhabitants in millions



**Map type graph..**

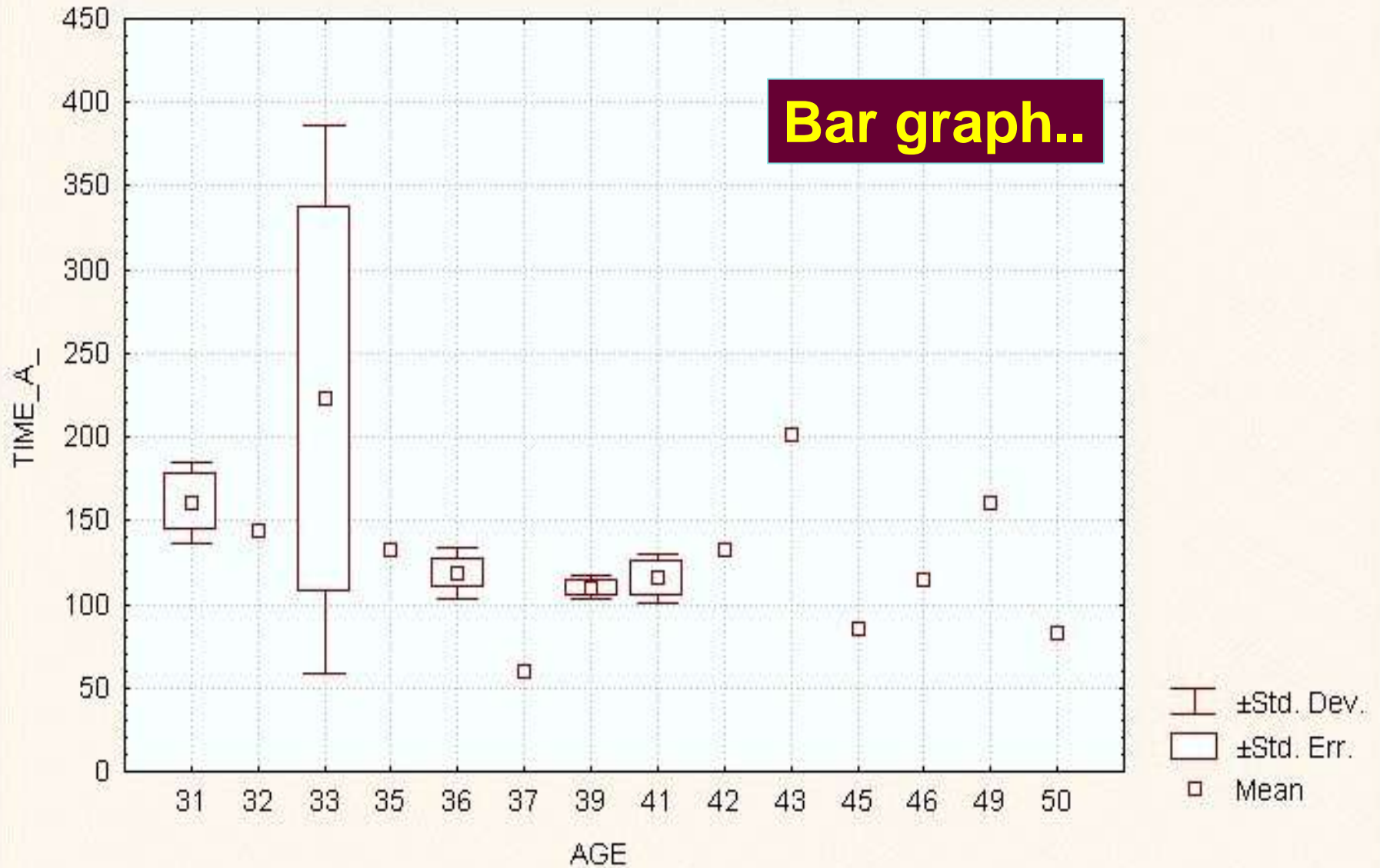
© Worldwatch Institute, 2006

Displayed data: US Bureau of the Census, 2005

Map created by Mapping Worlds 

Continue...

Categorized Plot for Variable: TIME\_A\_



# Table : Industrial production indice in Turkey and in the World (1929 = 100). (11x3 cells)

<u>Years</u>	<u>Türkiye</u>	<u>World</u>
1929	100	100
1930	106	86
1931	112	76
1932	118	65
1933	131	75
1934	141	80
1935	141	92
1936	149	102
1937	165	110
1938	174	96
1939	196	119

[www.selimsomcag.org/](http://www.selimsomcag.org/), 10.09.05

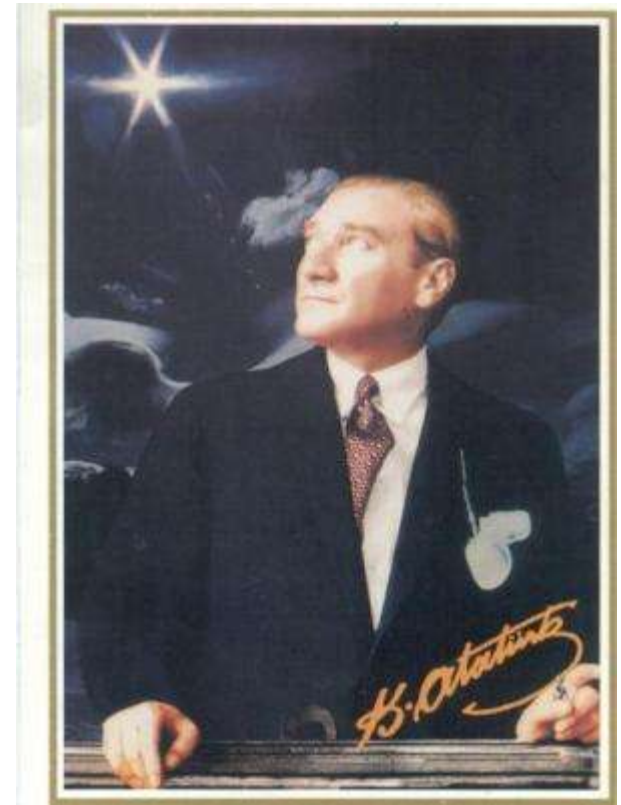


**ECONOMICAL MIRACLE  
By Ghazi Mustafa  
Kemal ATATÜRK**

# Table : Amazing improvement in basic economic indicators during Atatürk's rule ! (+deep notes)

<u>Year</u>	<u>National income Million TL</u>	<u>Popul. Million</u>	<u>Per capita National income, TL</u>
1927	1000	13.6	73
1929	1147	14.2	80
1935	1315	16.2	82
1938	1589	17.2	92 (75 \$)
1939	1625	17.5	95

- **GNP has grown by 62.5% in 12 years..**
- But, population has grown only 28.7% (3.9 million) in the same period..
- Per capita income was elevated from 73 TL, up to 95 TL by an increasing 32 %.
- Cumulative inflation rate is only **2.2** for 12 years!  
([www.selimsomcag.org/](http://www.selimsomcag.org/), 10.09.05)



**ECONOMICAL MIRACLE  
By Ghazi Mustafa  
Kemal ATATÜRK**

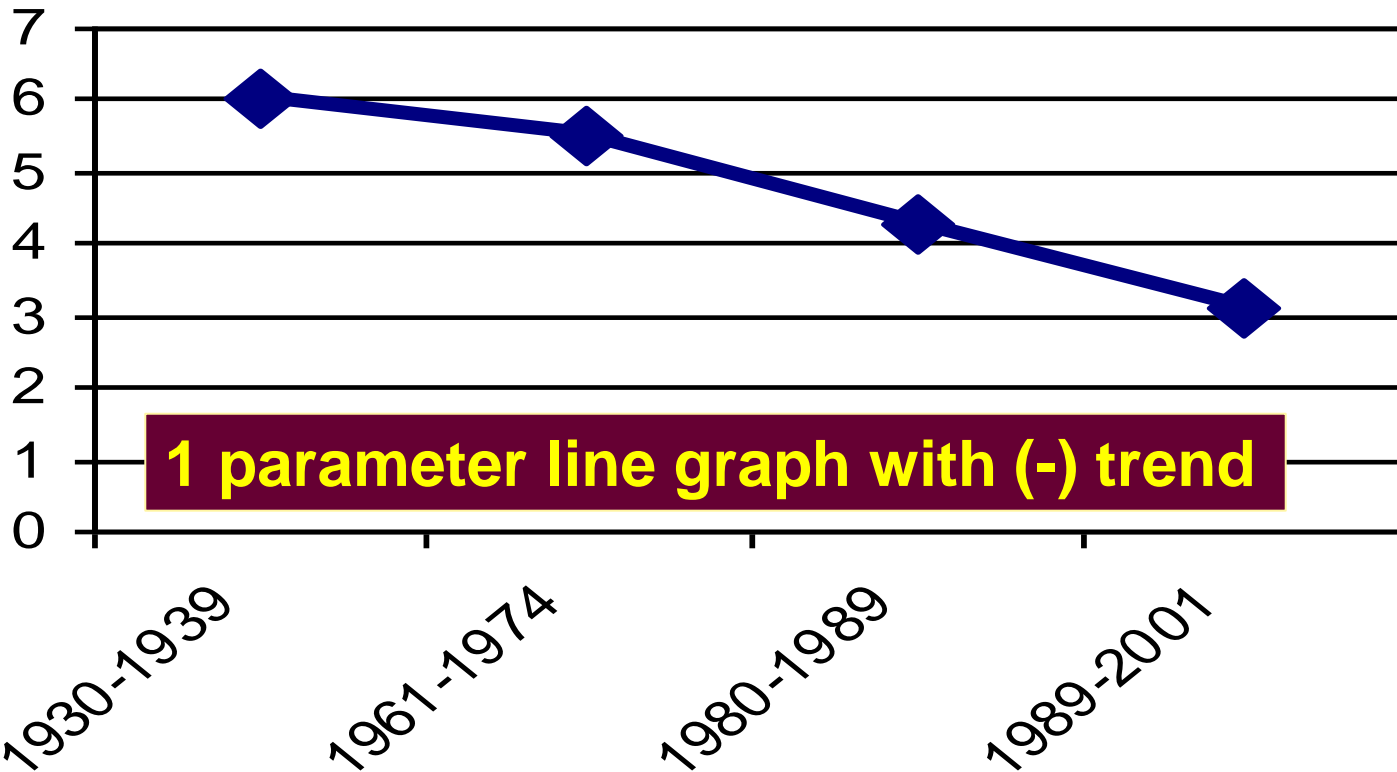
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Prof.SALTIK

31.05.2012

12

# Türkiye, driven by the IMF & WB..

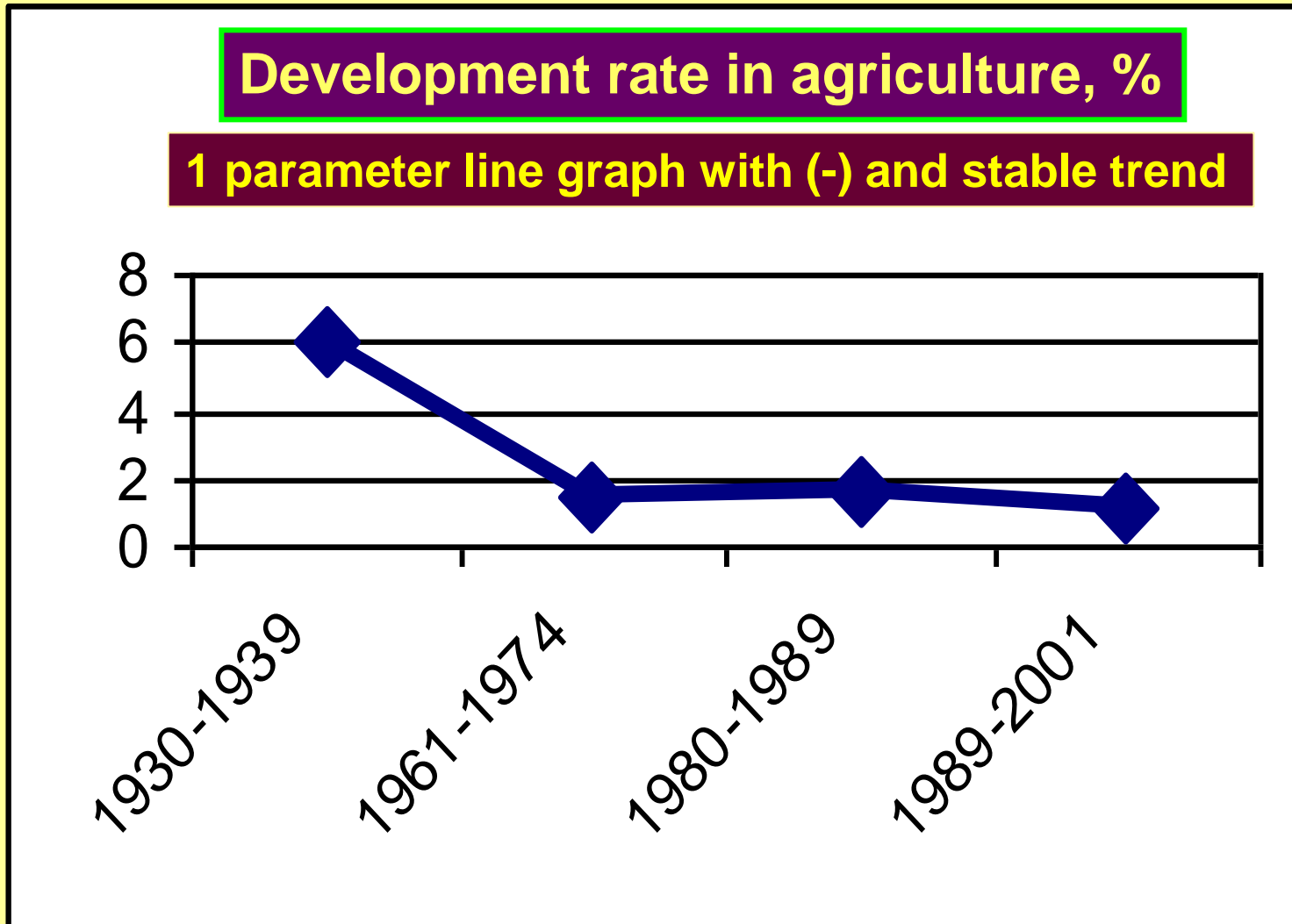
Development rate, %



[www.selim-somcag.org/](http://www.selim-somcag.org/)  
10.09.05

Economic development rates of Türkiye, by intervals, %.

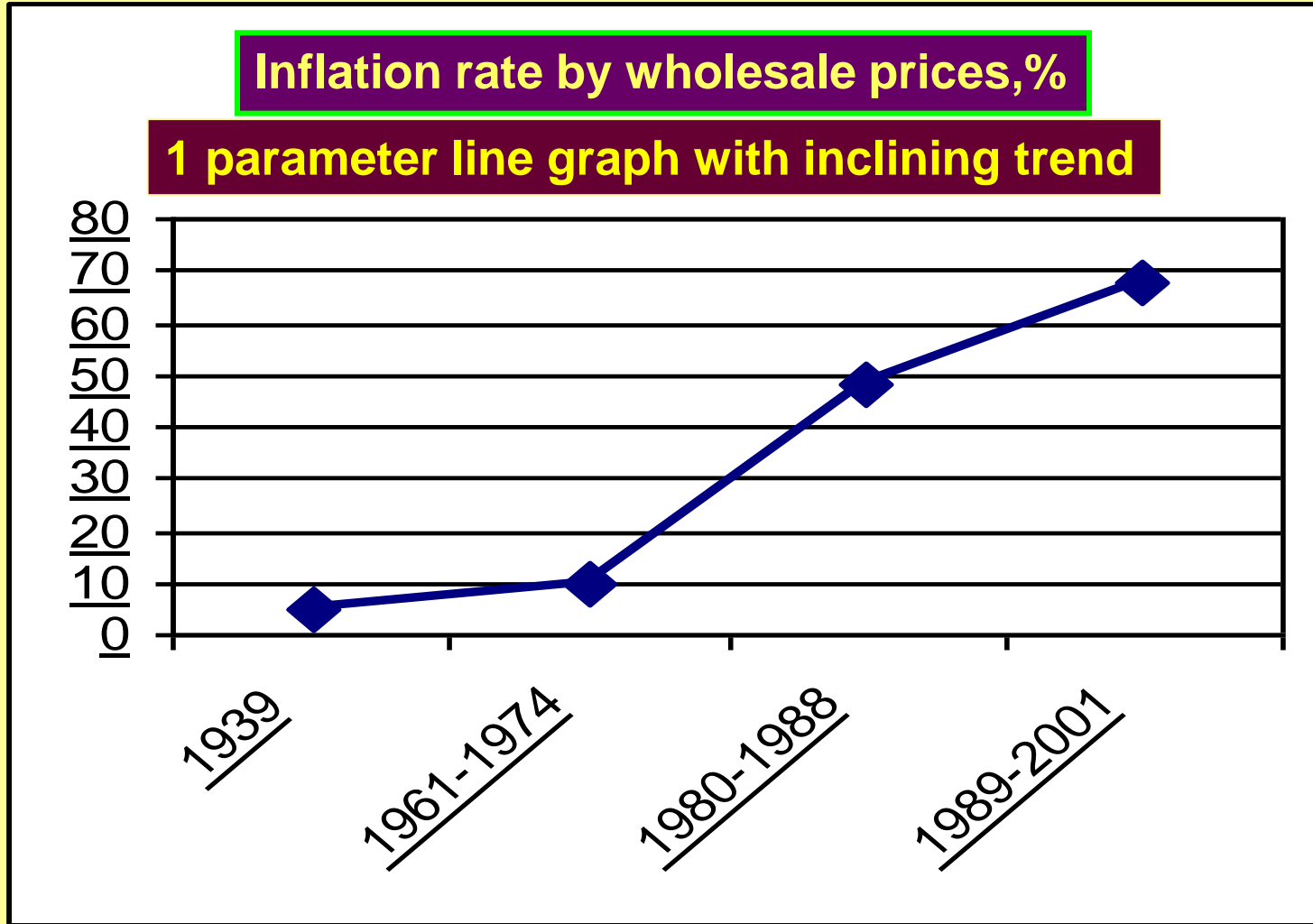
# Türkiye, driven by the IMF & WB..



[www.Selim-somcag.org/](http://www.Selim-somcag.org/)  
10.09.05

**Agricultural development rates of Türkiye, by intervals, %.**

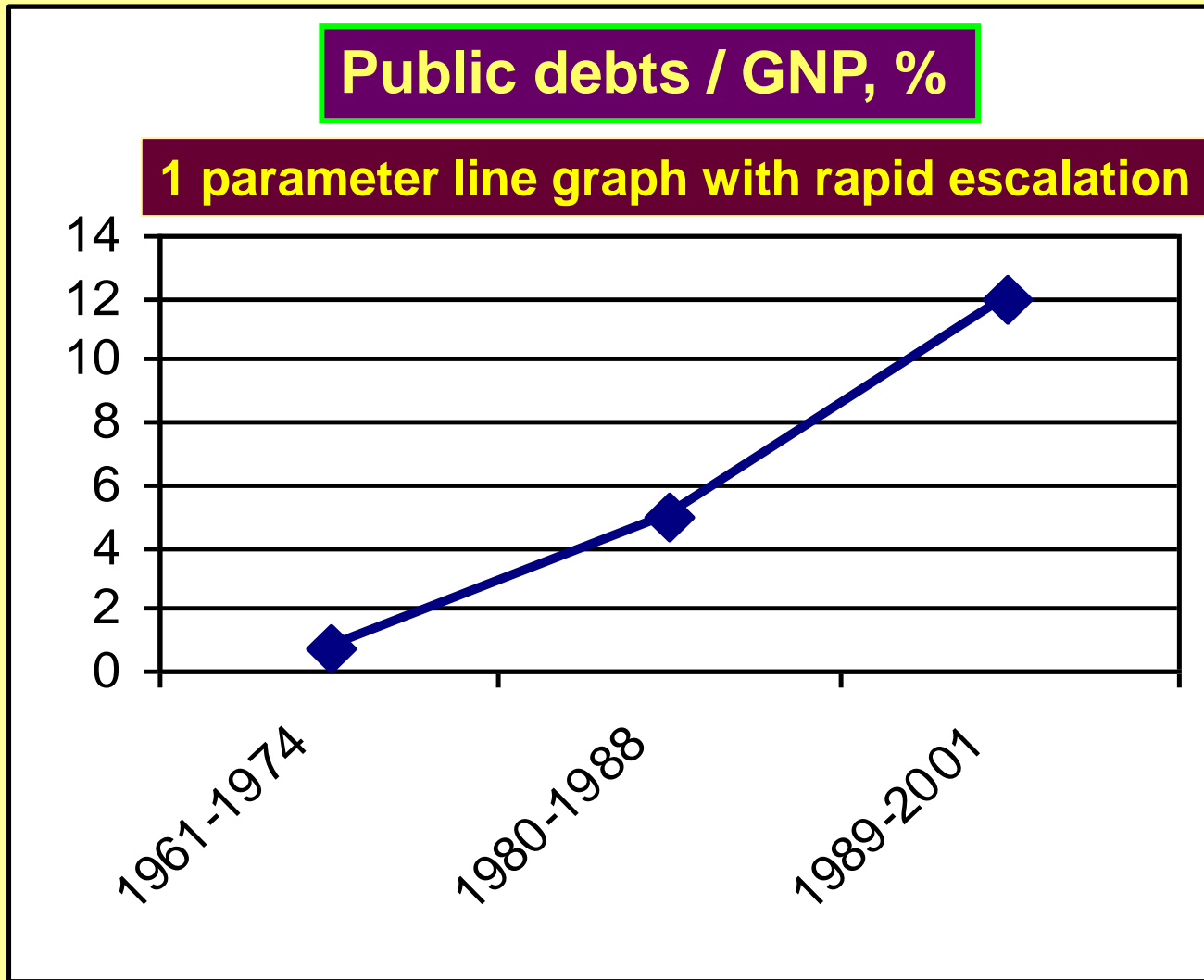
# Türkiye, driven by the IMF & WB..



Inflation rates in Türkiye from 1939, through today, %.

[www.Selim-somcag.org/](http://www.Selim-somcag.org/)  
10.09.05

# Türkiye, driven by the IMF & WB..

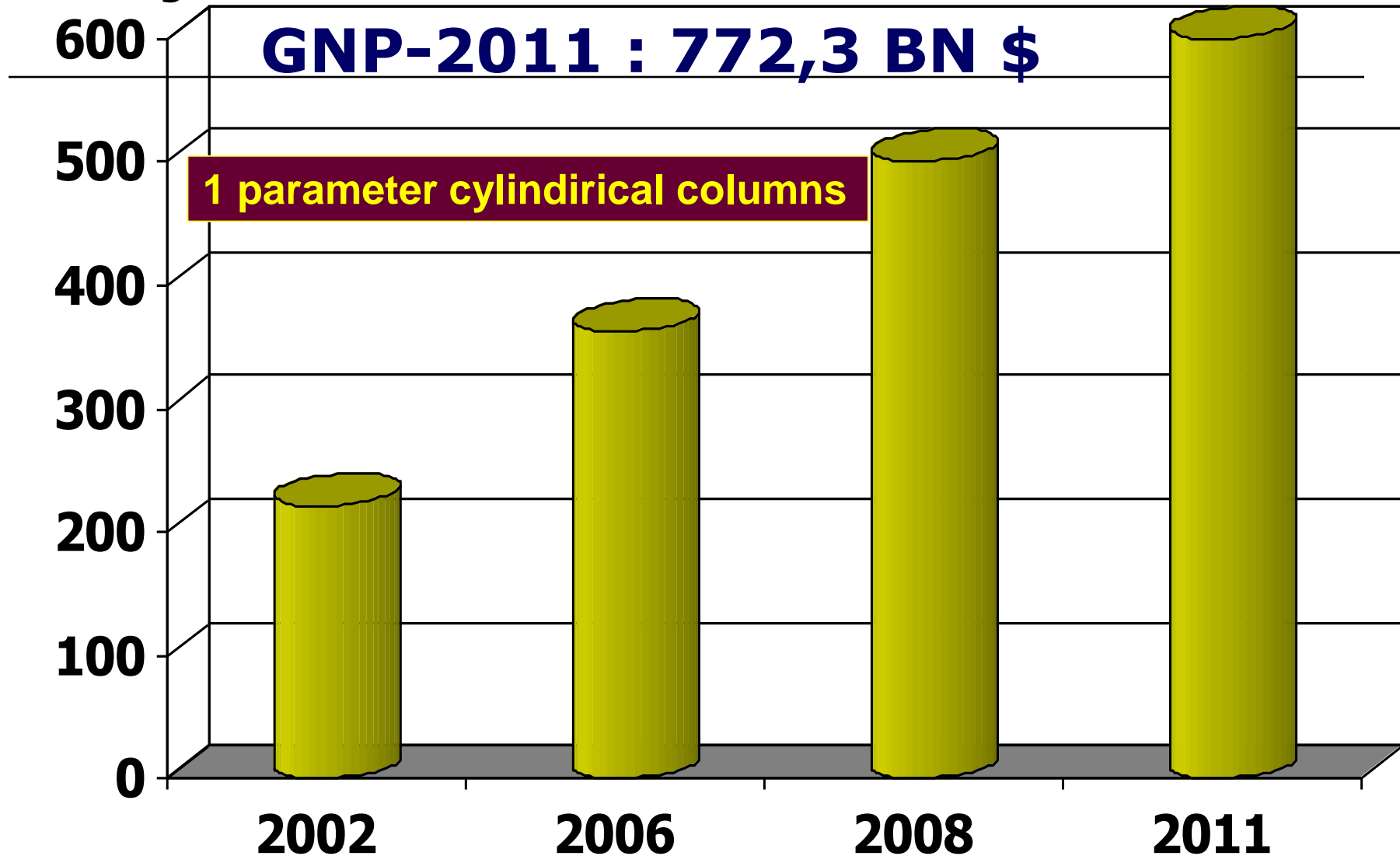


[www.Selim-somcag.org/](http://www.Selim-somcag.org/),  
10.09.05

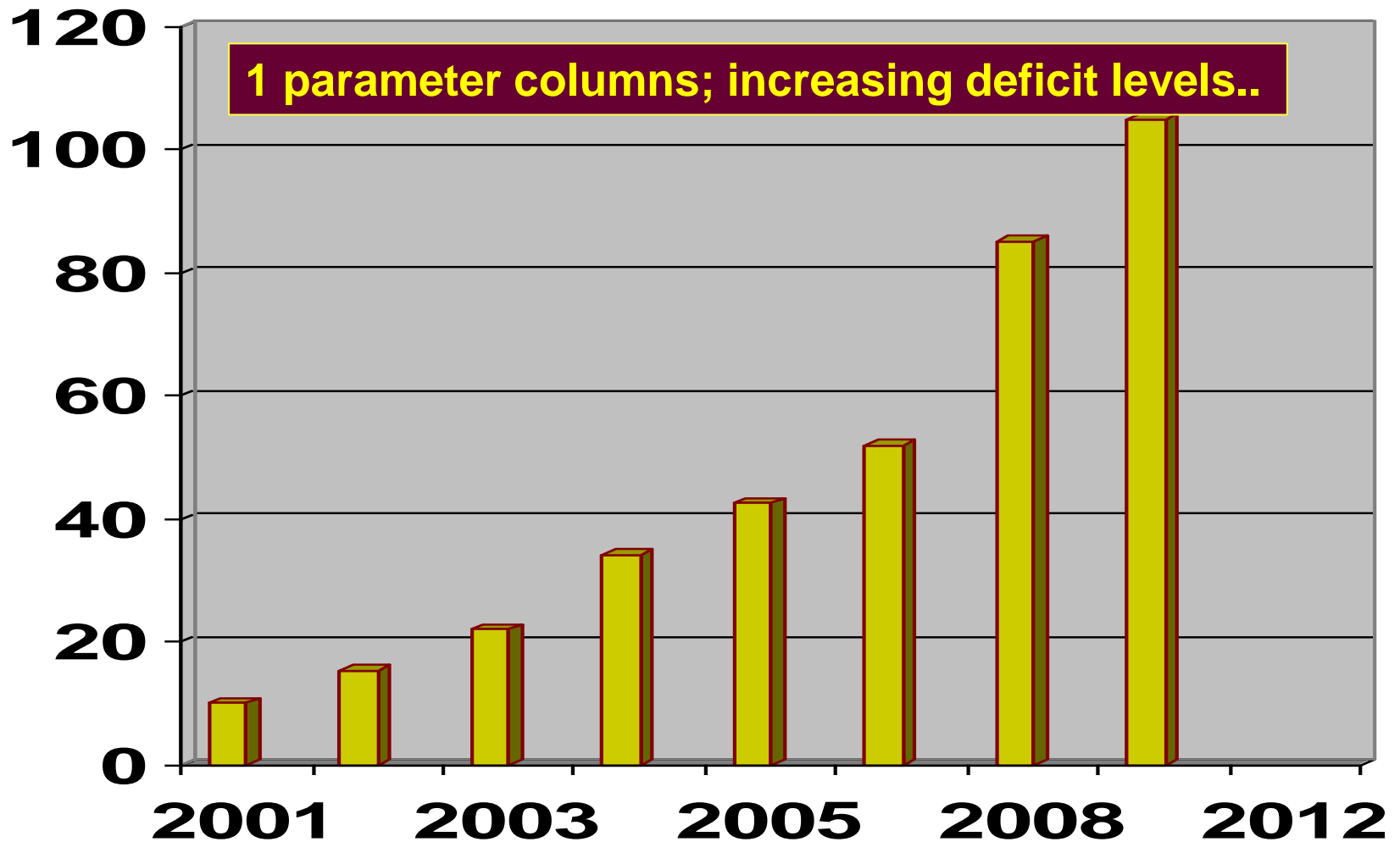
***Acceleration of Public debts / GNP ratio, as %.***



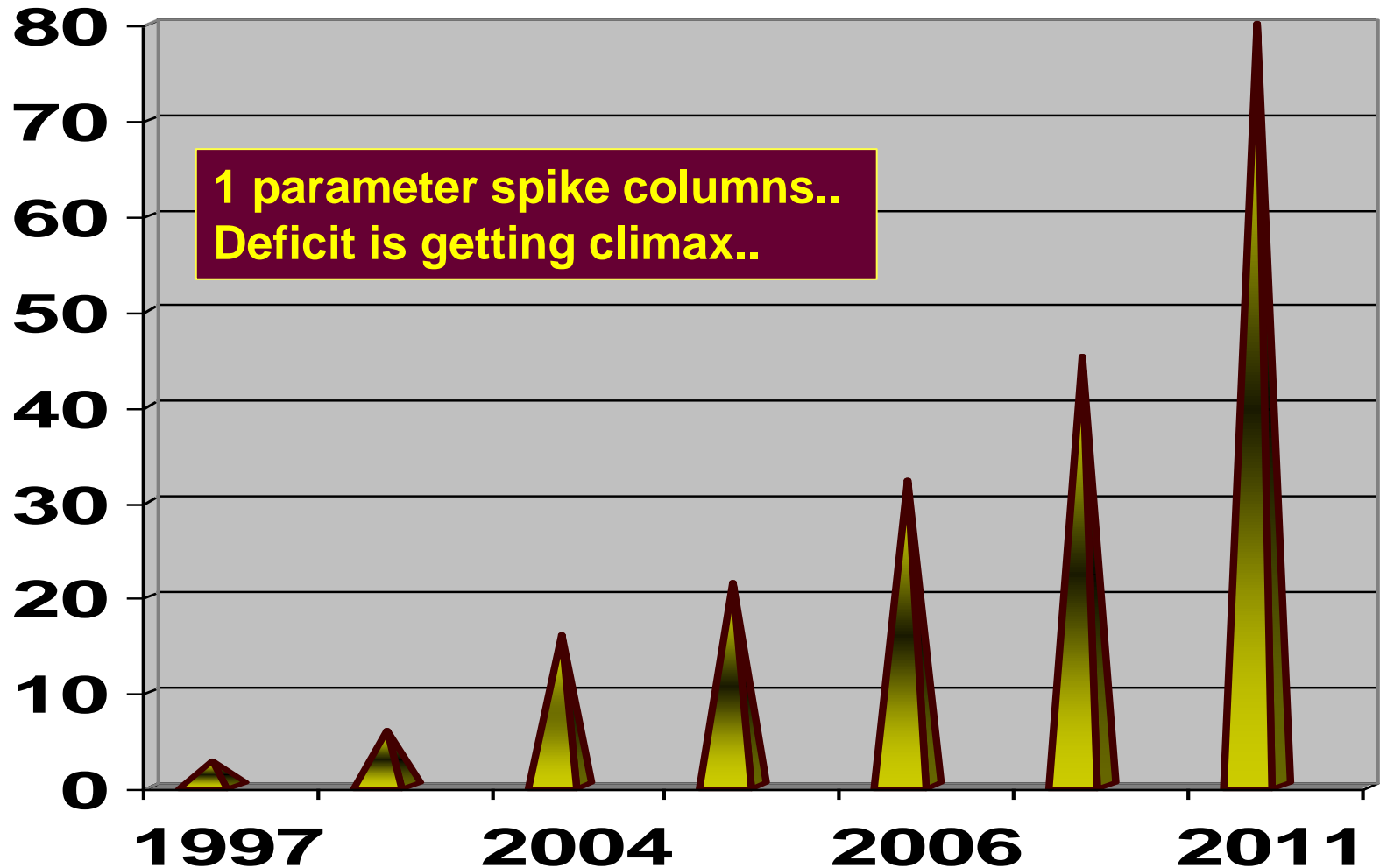
# Suffocating Türkiye in the debt swamp..



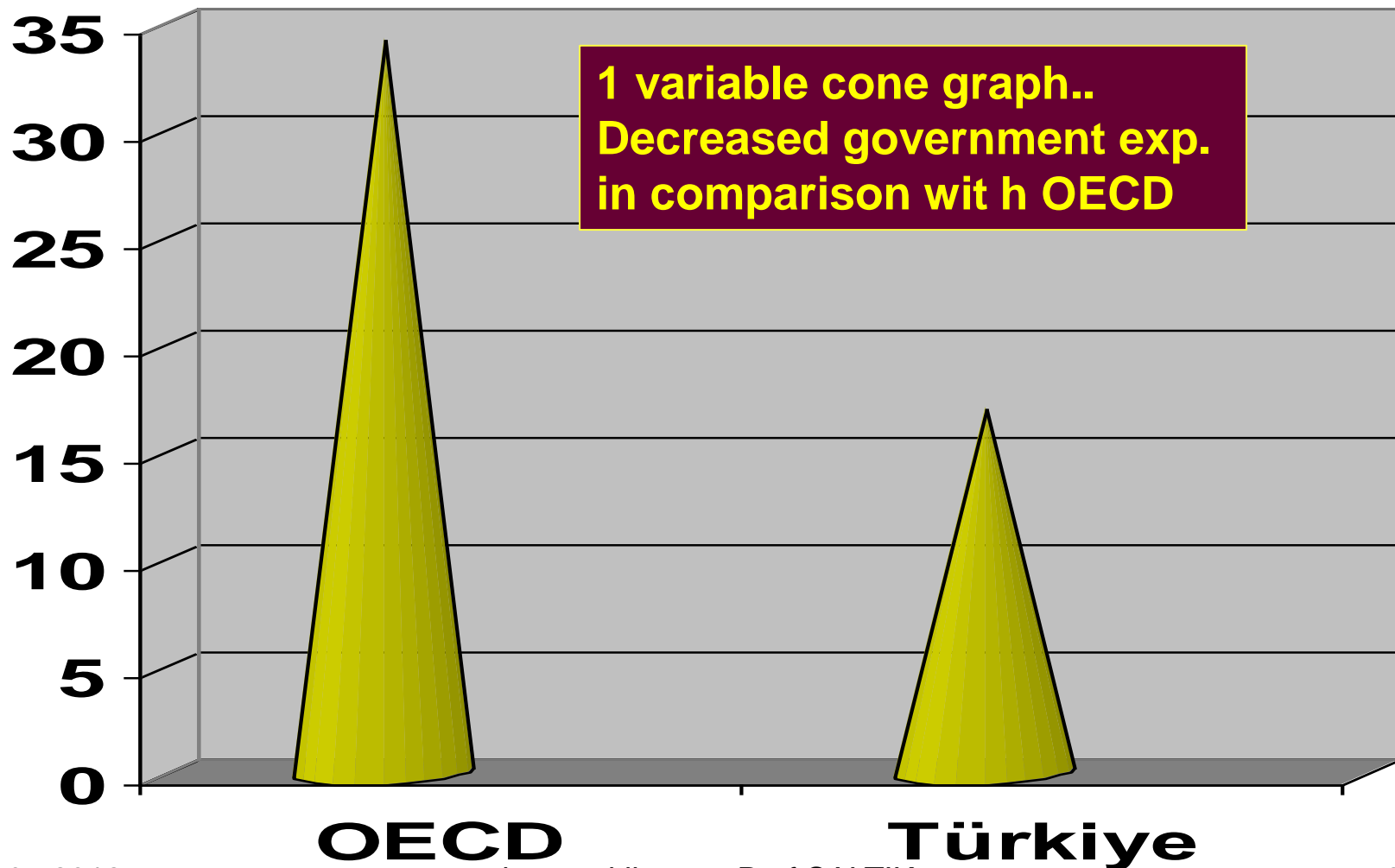
# Turkiye; foreign trade deficit, Bn \$



# Turkiye, Currency deficit, Bn \$

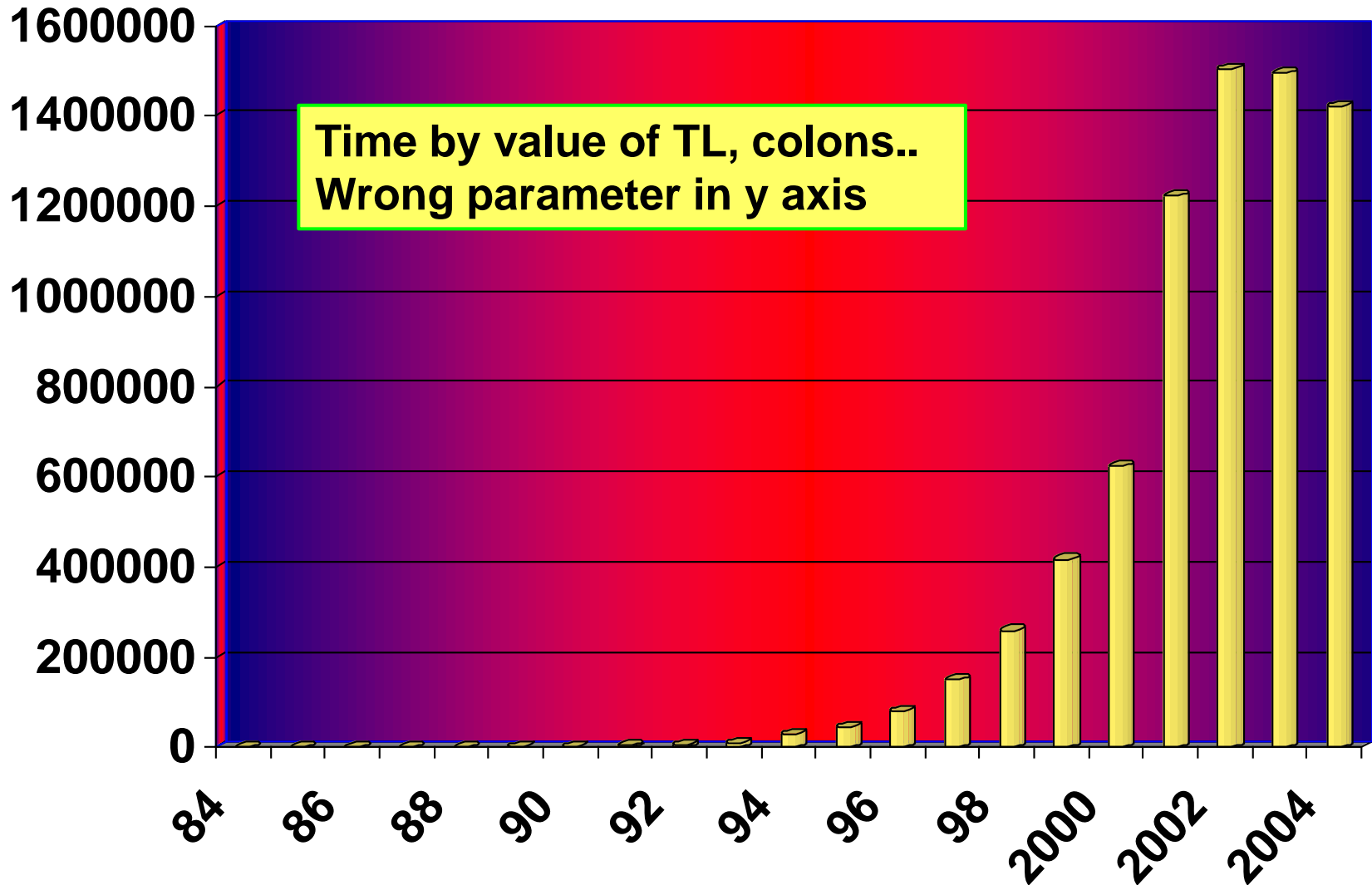


# Public expenditures in the budget, %



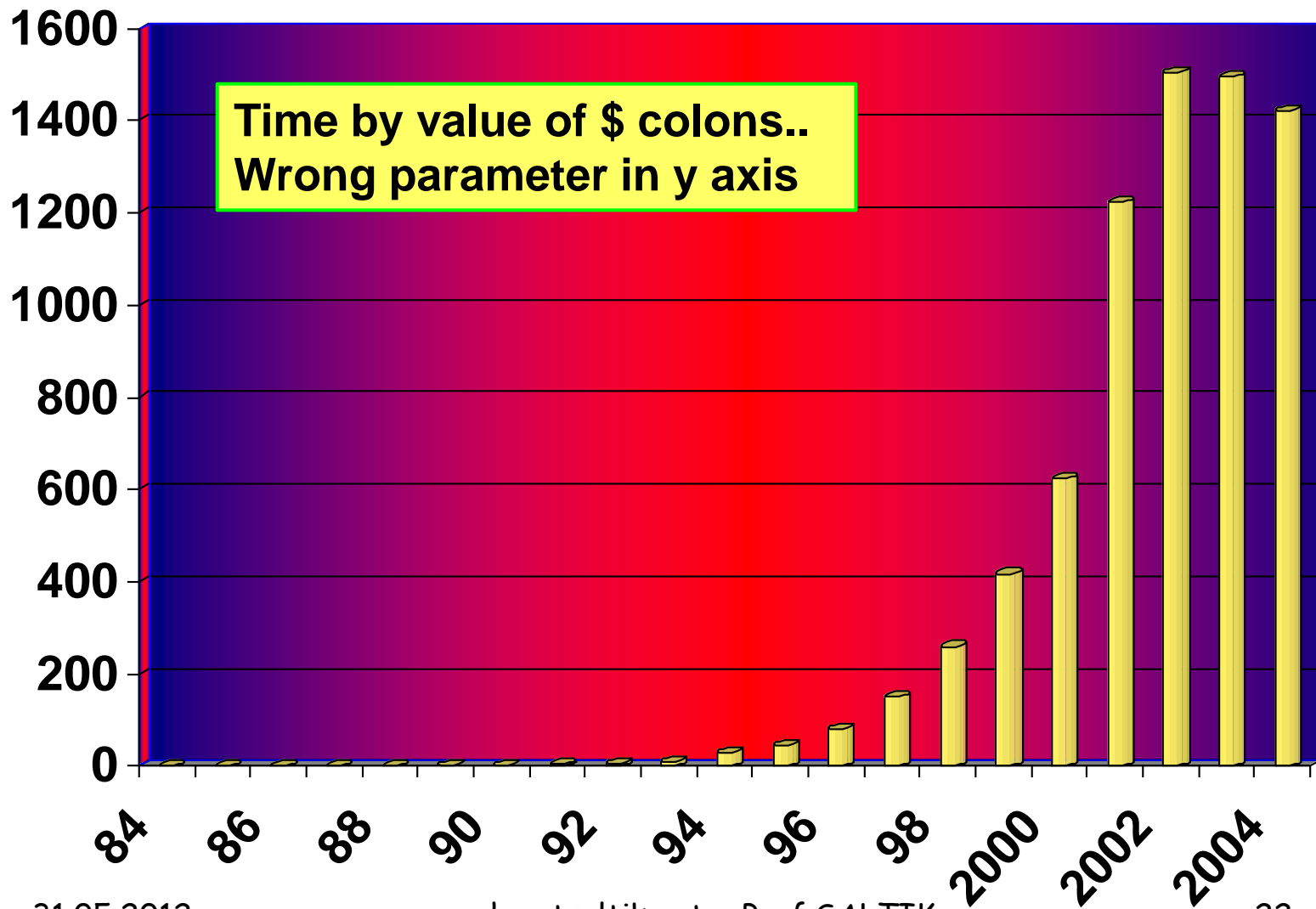
# Melting TL against US \$..

1 \$ = TL



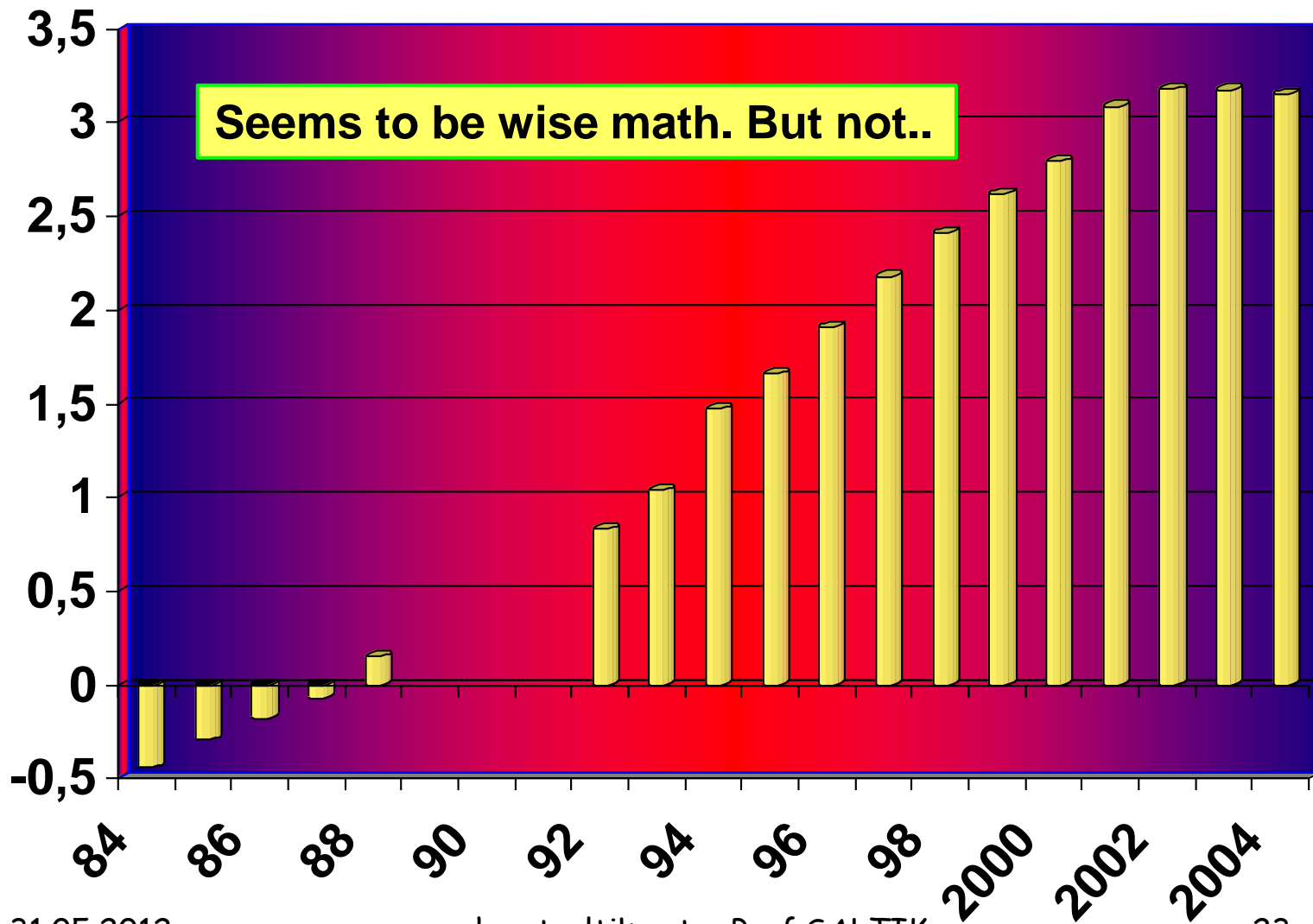
# Melting TL against US \$..

1 \$ = 1000 TL



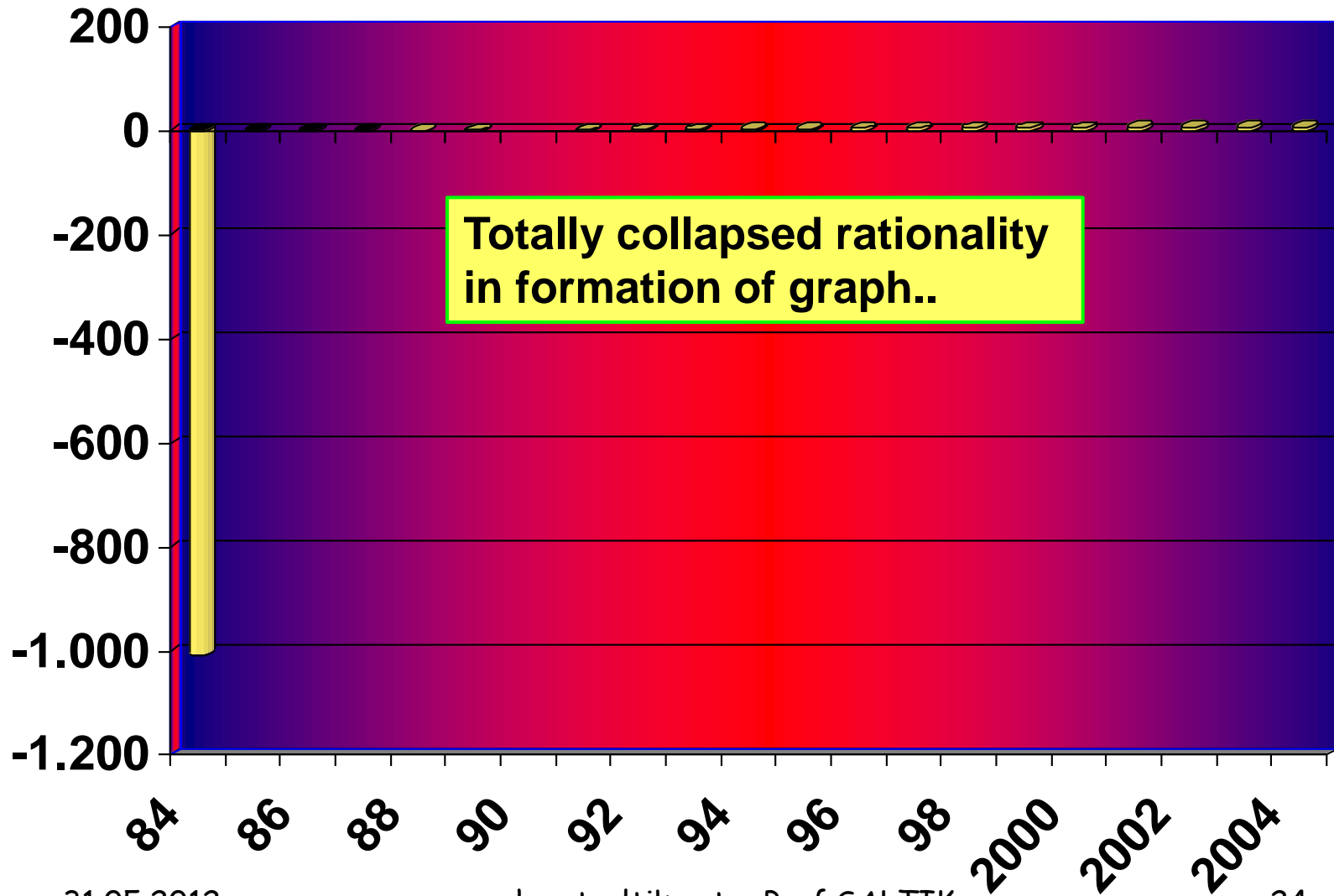
# Melting TL against US \$..

1 \$ = log 1000 TL



# Melting TL against US \$..

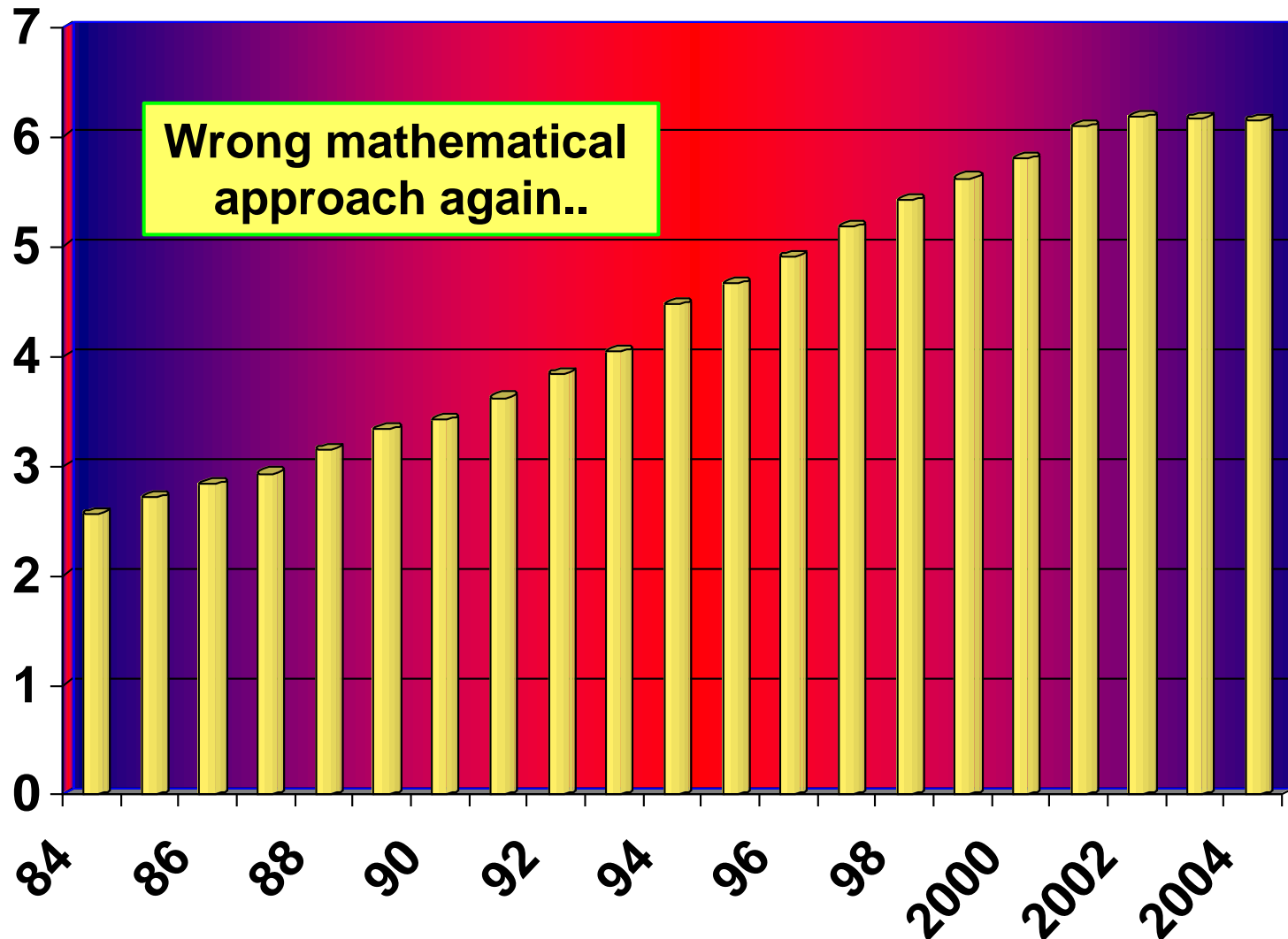
1 \$ = In 1000 TL





# Melting TL against US \$..

1 \$ = log TL



# Günde iki kez amoksisilin-klavulanik asit-BID 625 mg Tablet ile güçlü etkinlik<sup>1</sup>

Exactly subjective definition of y axis parameter..

Klinik başarı oranları

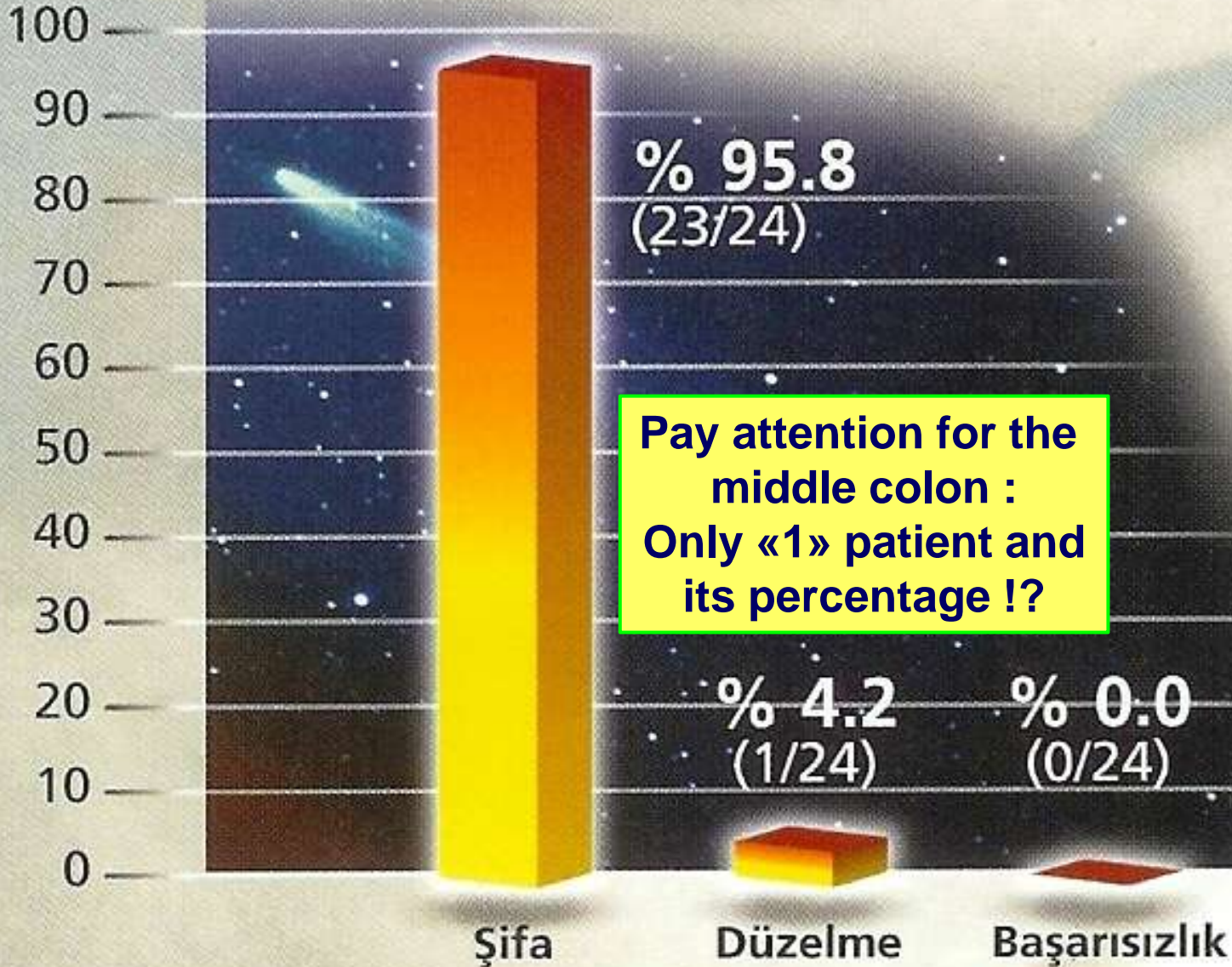
100  
90  
80  
70  
60  
50  
40  
30  
20  
10  
0



Pay attention for the shortest colon : Only «1» patient!

**Tonsillit**

Exactly subjective definition of y axis parameter..



Similar graph tricks.. Leading mis-perception..



# TABLE : What changed from 1997 to 2008?

Parameters	1997 data	2008 data
<b>Domestic debts</b>	<b>28 billion \$</b>	<b>210 billion \$</b>
<b>Foreign debts</b>	<b>81 billion \$</b>	<b>290 billion \$</b>
<b>Currency deficit</b>	<b>2.6 billion \$</b>	<b>45 billion \$</b>
<b>Real interest (net)</b>	<b>12.4 %</b>	<b>% 10.7</b>
<b>Public debt / GNP</b>	<b>43 %</b>	<b>% 63</b>
<b>Currency deficit/GNP</b>	<b>1.4 %</b>	<b>7.5 %</b>
<b>Domestic debts term</b>	<b>16.3 month, mean</b>	<b>12 months, mean</b>
<b>Loans to the IMF</b>	<b>NONE</b>	<b>8 billion \$</b>
<b>Foreign share in the ISEM (IMKB)</b>	<b>36 %</b>	<b>73 %</b>
<b>Development rate, %</b>	<b>8.3 %</b>	<b>3%</b>
<b>Deficits of Social Security Funds</b>	<b>0.7 quadrillion TL</b>	<b>23.5 quadrillion TL</b>

# TL, one of the most worthless notes in the World!



Picture animation for  
exaggerating the message

**1.85 TL = 1 USA Dollar!** *31st May 2012*

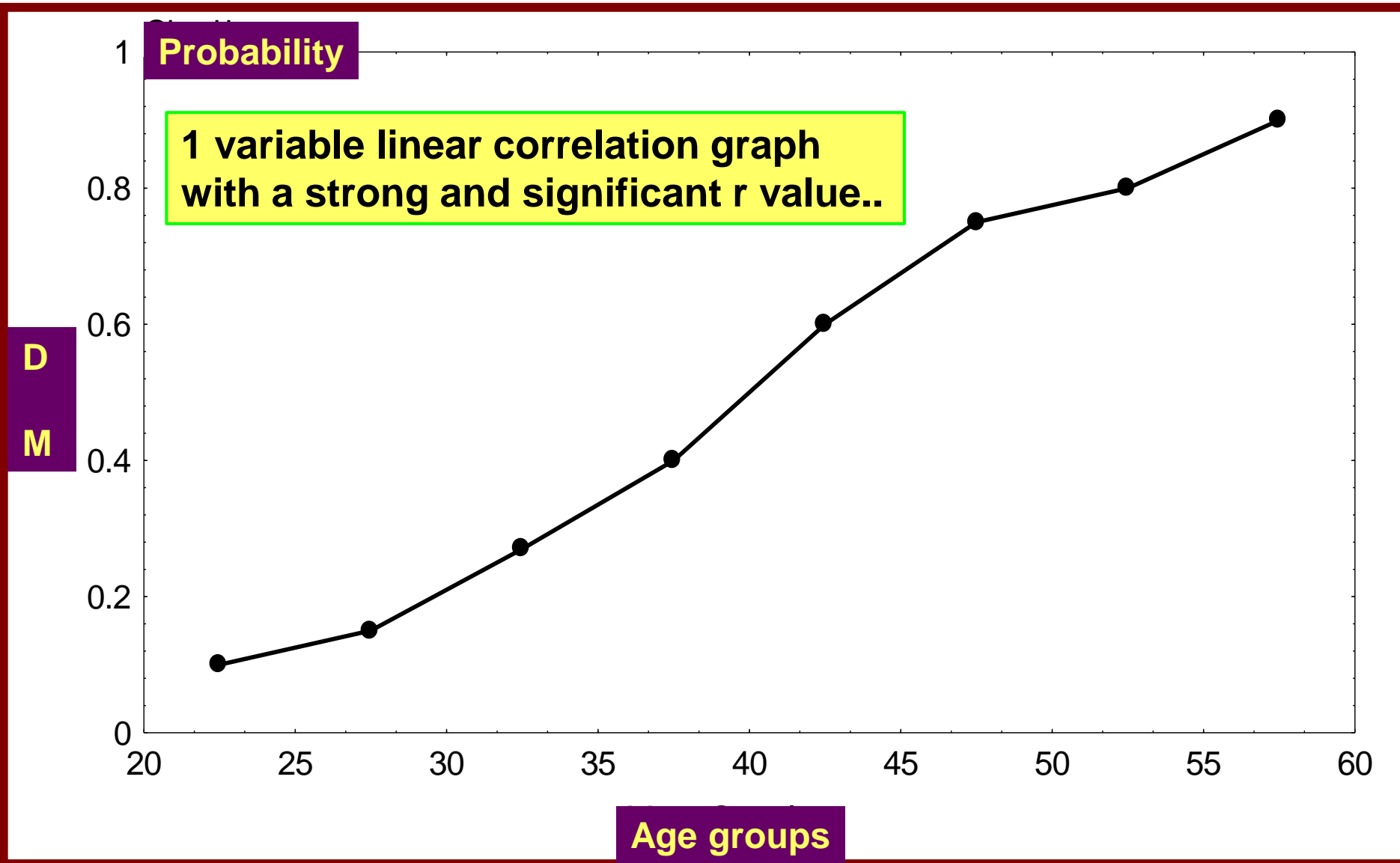


# TABLE : *Example of successful prevention program in Cuba.*

## VACCINATION PROGRAM RESULT

<b>POLIO</b>	<b>ELIMINATED SINCE 1962</b>
<b>DIPHTHERIA</b>	<b>ELIMINATED SINCE 1969</b>
<b>NEWBORN TETANUS</b>	<b>ELIMINATED SINCE 1972</b>
<b>CONGENITAL RUBELLA</b>	<b>ELIMINATED SINCE 1989</b>
<b>MENINGITIS POST MUMPS</b>	<b>ELIMINATED SINCE 1989</b>
<b>MEASLES</b>	<b>ELIMINATED SINCE 1993</b>
<b>WHOOPING COUGH</b>	<b>TRANSMISSION INTERRUPTED SINCE 1994</b>
<b>RUBELLA</b>	<b>TRANSMISSION INTERRUPTED SINCE 1995</b>
<b>MUMPS</b>	<b>TRANSMISSION INTERRUPTED SINCE 1995</b>
<b>MORBIDITY</b>	
<b>MENINGOCOCCAL DISEASE</b>	<b>REDUCTION 93%</b>
<b>TYPHOID FEVER</b>	<b>REDUCTION 75%</b>
<b>B HEPATITIS</b>	<b>REDUCTION 52%</b>

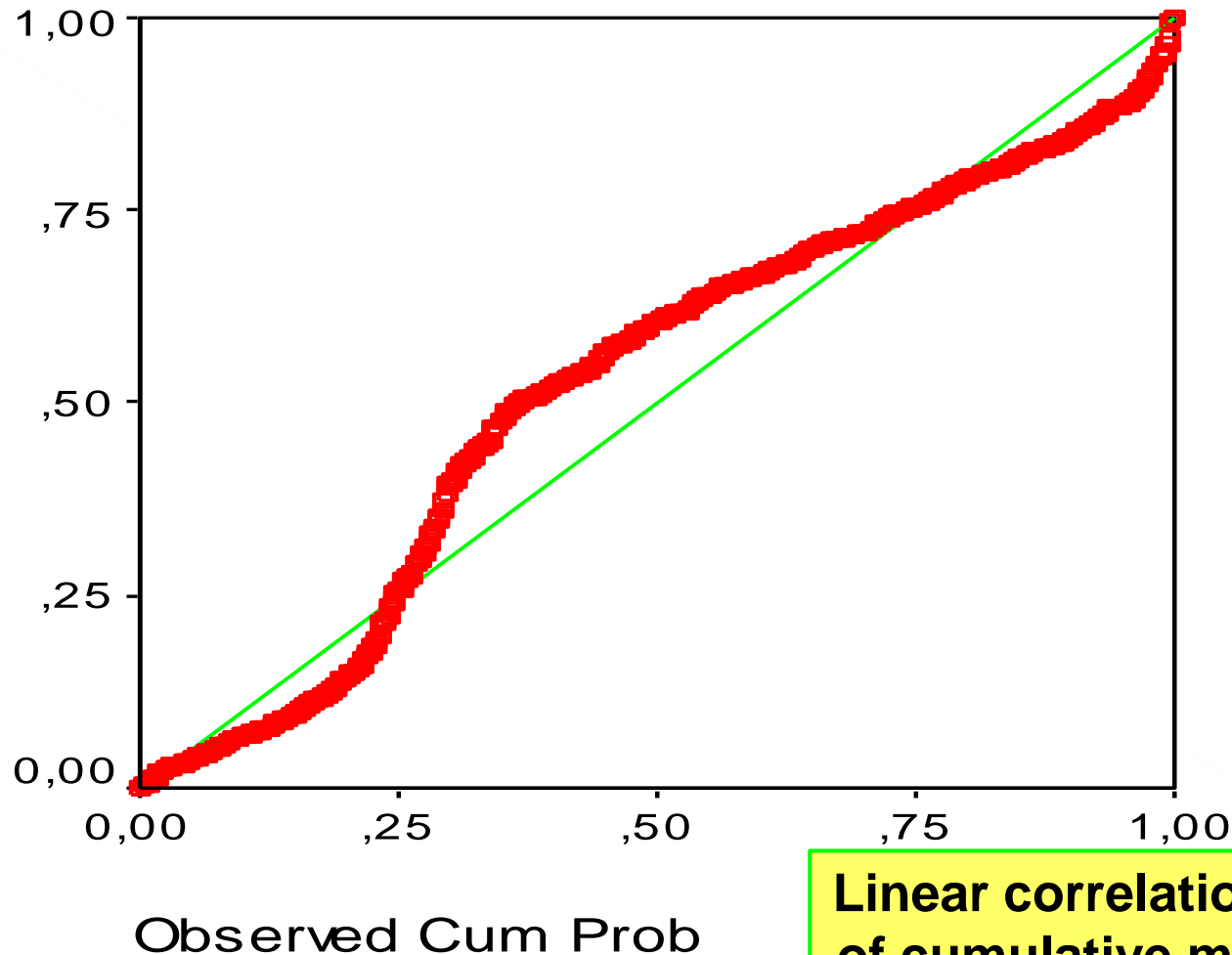
# Correlation of Age and DM





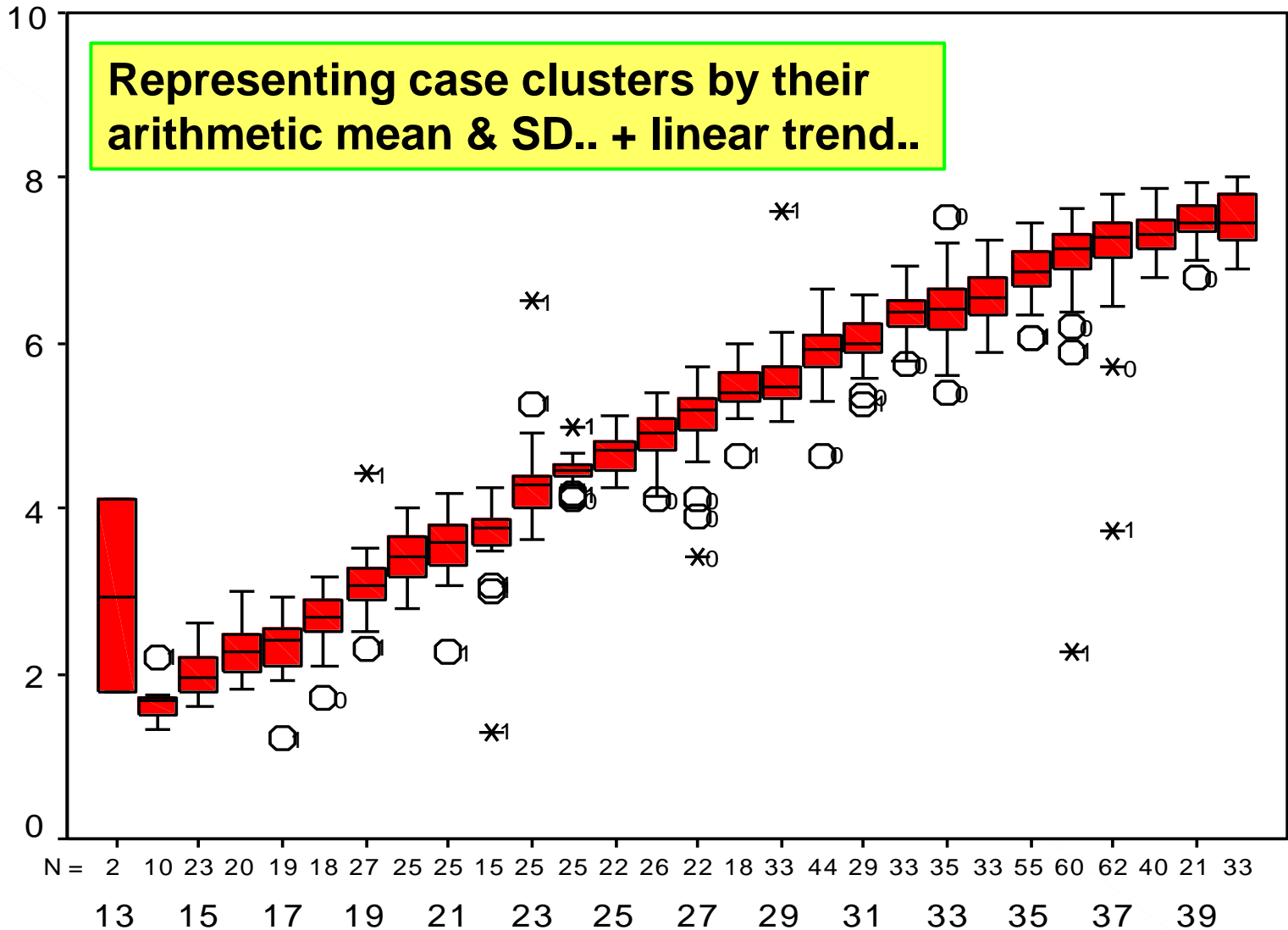
# Normal P-P Plot of Regression Stand

## Dependent Variable: BPDCM



**Linear correlation association  
of cumulative measurements..**

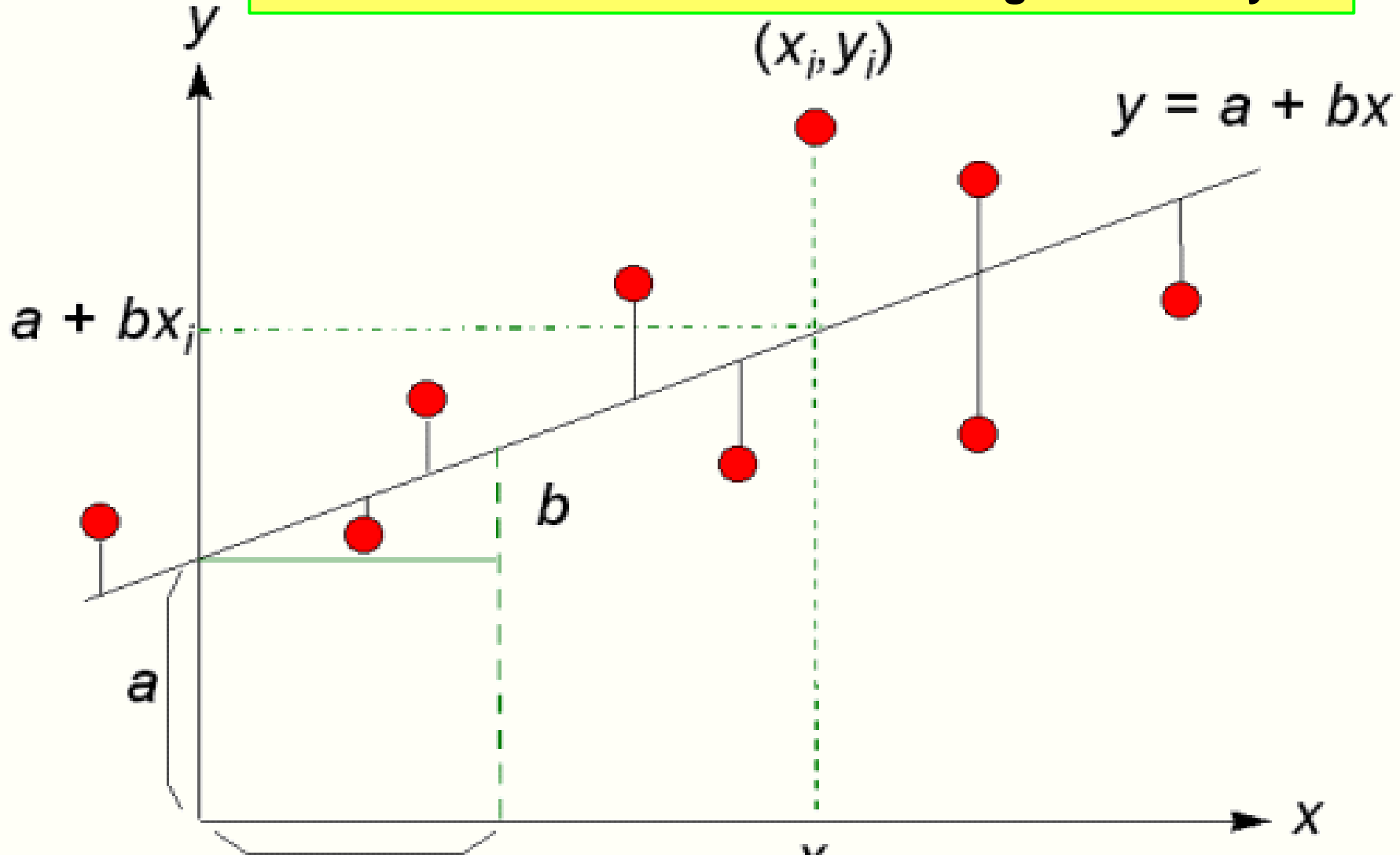
Representing case clusters by their arithmetic mean & SD.. + linear trend..



GESTAGE

n= 859

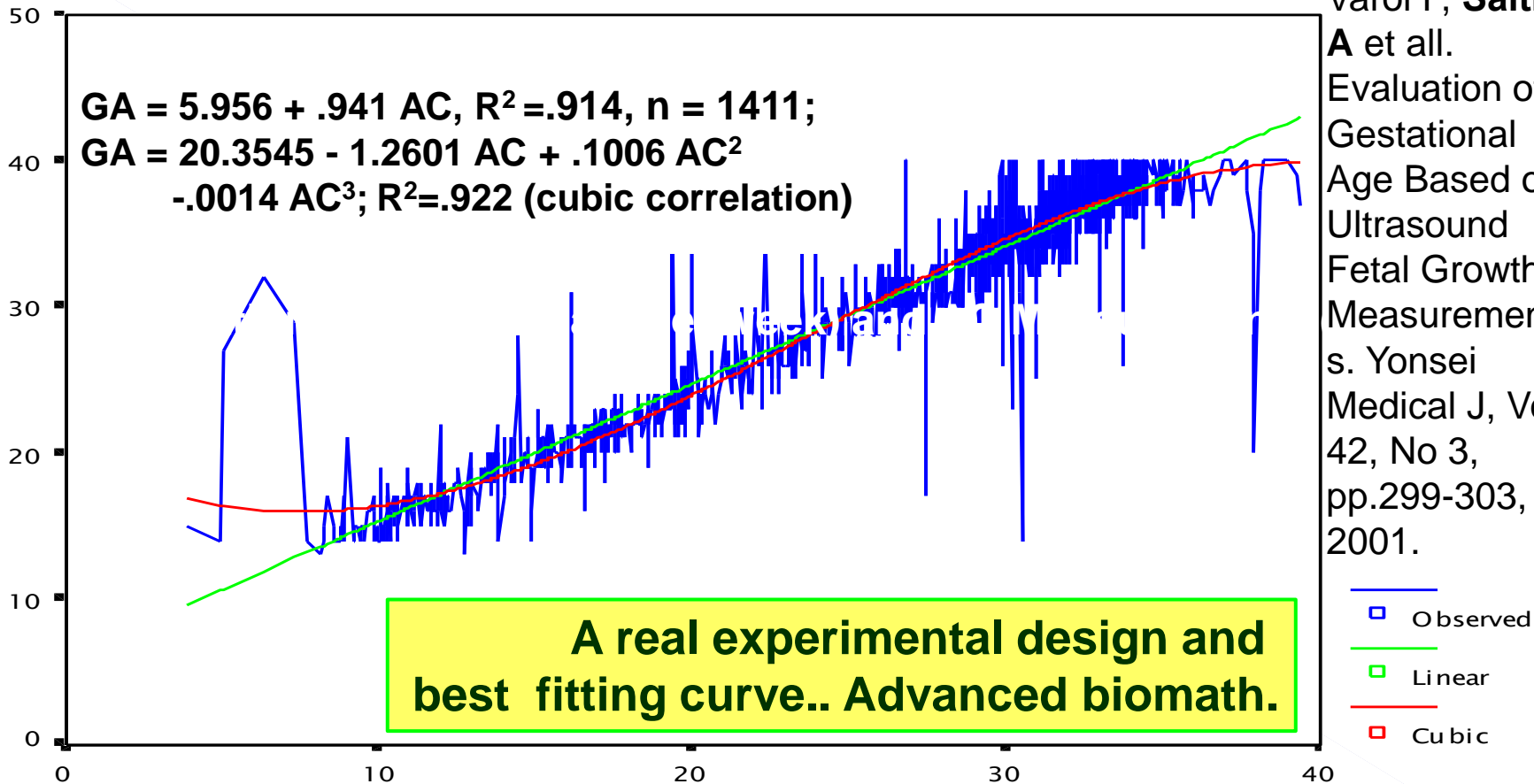
Schematic demonstration of linear regression analyse.



Linear regression model..

# Correlation of Gestational Age (week) and AC Measurements (cm).

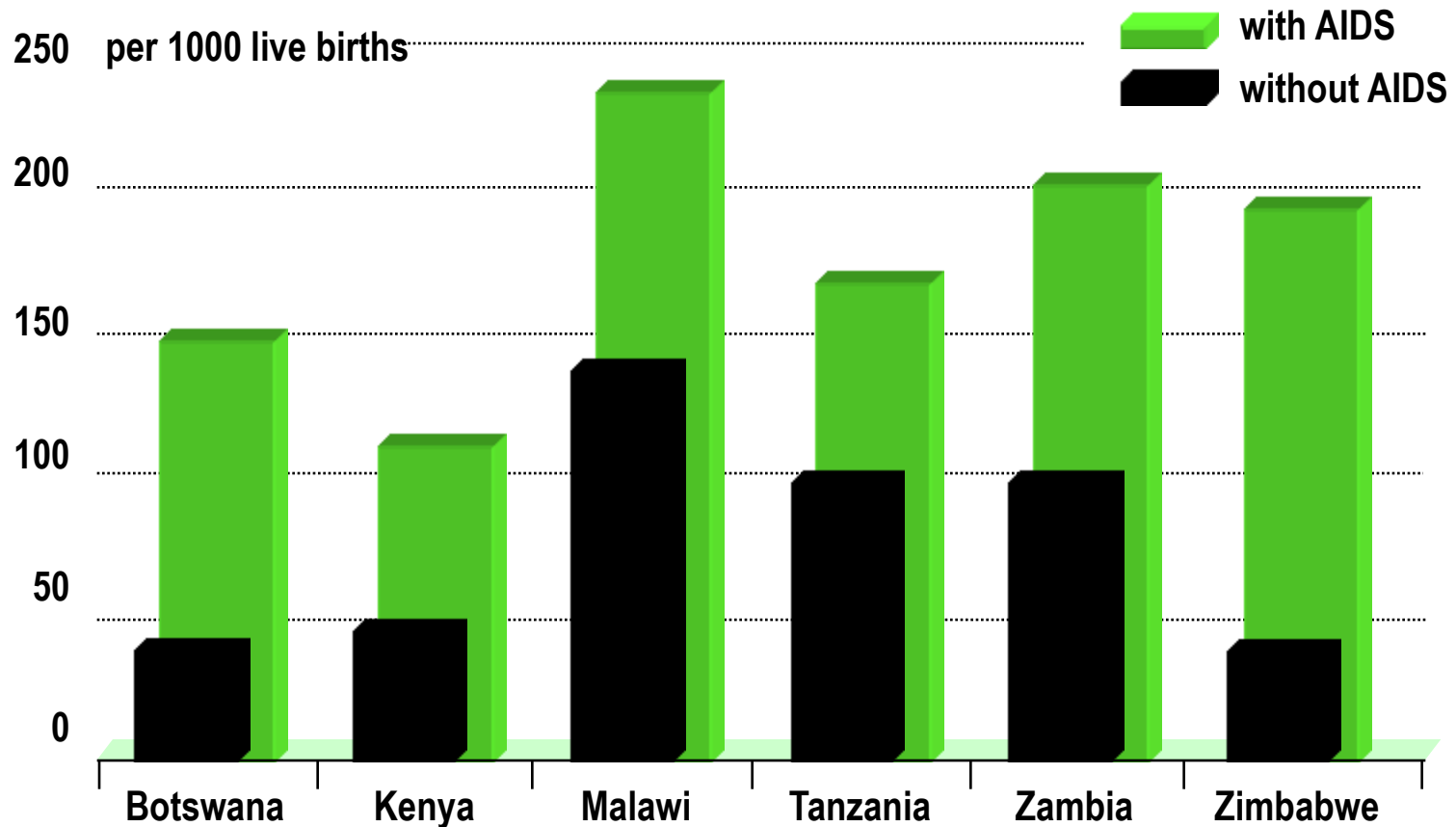
Gest. age in week



Varol F, Saltik A et al. Evaluation of Gestational Age Based on Ultrasound Fetal Growth Measurements. Yonsei Medical J, Vol 42, No 3, pp.299-303, 2001.

Abd. Circ. In cm.

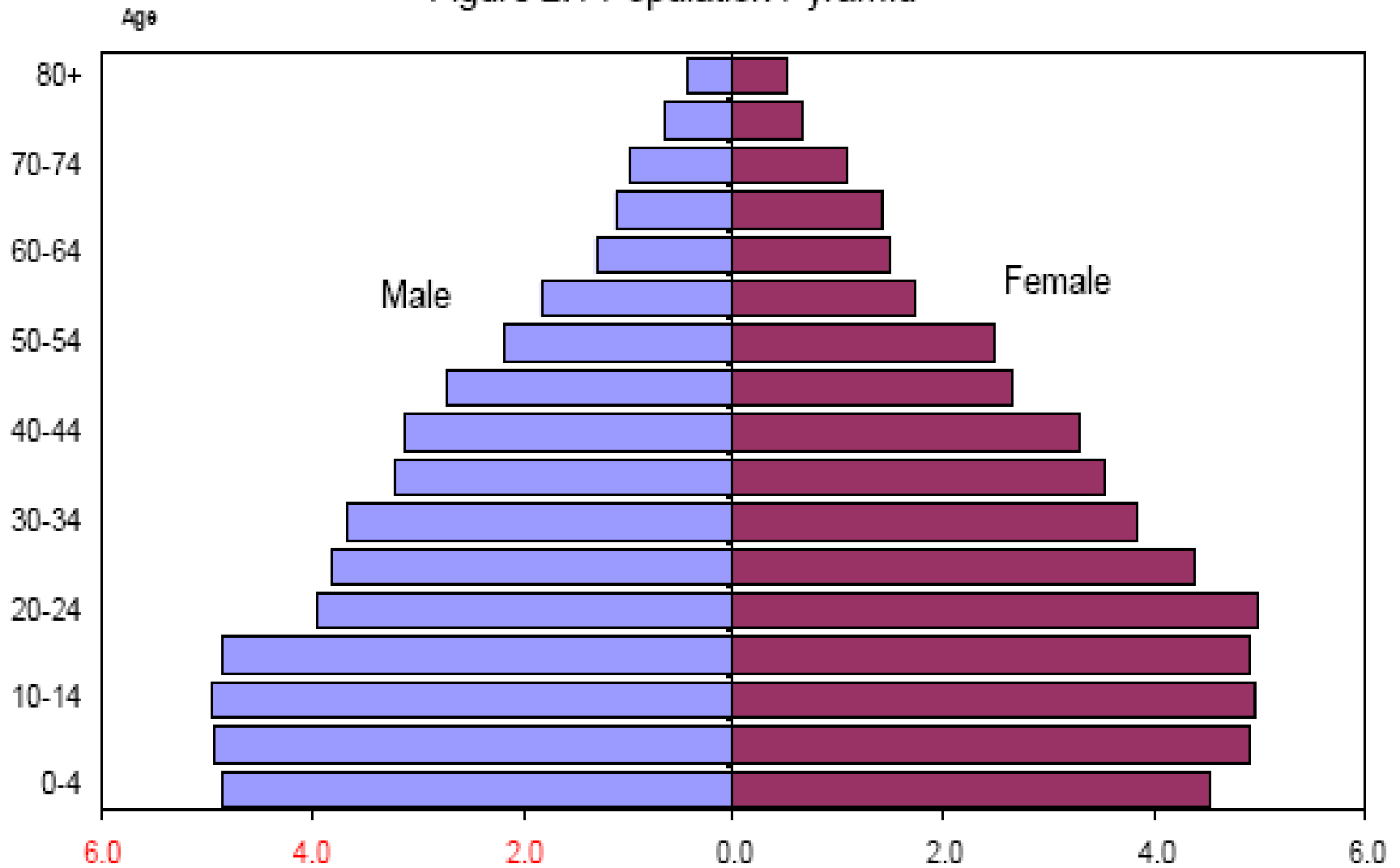
# Estimated impact of AIDS on under-5 child mortality rates – Selected African countries, 2010



Source: US Bureau of the Census

Overlapping categories, 2 variables, 2colons

Figure 2.1 Population Pyramid



A typical PF configuration.. Pine tree

Percent

TDHS-2003

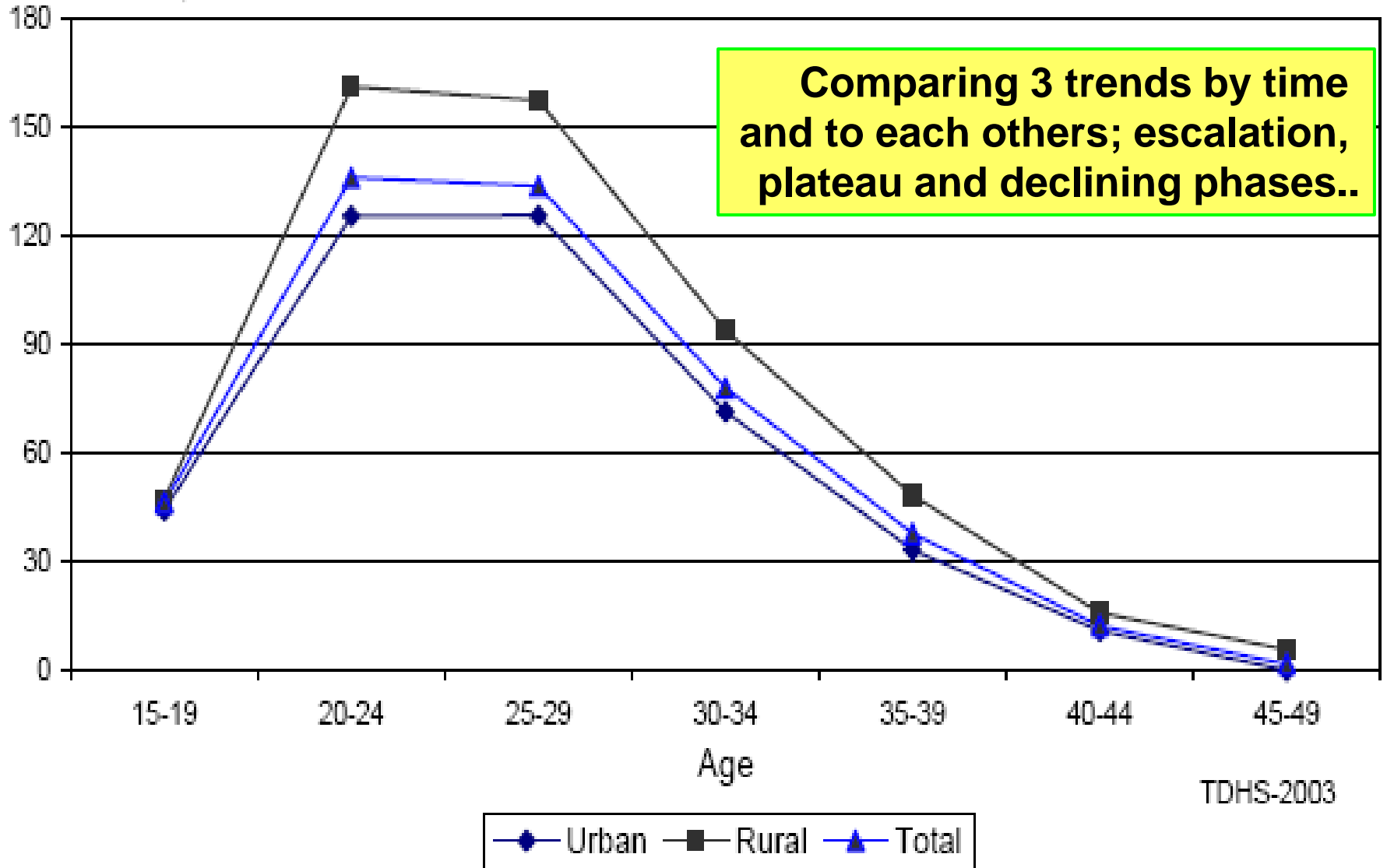
# Antropometric Indicators, Turkey 1993, 2003

<u>Mean</u>	<u>TDHS-1993</u>	<u>TDHS-2003</u>
Height	155,4	156,7
Weight	62,2	65,0
<b>BMI</b>	<b>25,8</b>	<b>26,5</b>
BMI 25-30 (%)	32.0	34.3
<b>BMI <math>\geq 30</math></b>	<b>18.7</b>	<b>22.7</b>

**TABLE : By PIAR-GALLUP, in October 2000  
mean weight for ♂ 71,6, for ♀ 61.2 kg.**

# Figure 4.1 Age-specific Fertility Rates by Urban-Rural Residence

Births per 1,000 women



Comparing 3 trends by time and to each others; escalation, plateau and declining phases..

TDHS-2003



**Component bars for multiple comparisons**

Figure 5.1  
Use of Family Planning by Region and Method

**TDHS  
2003**

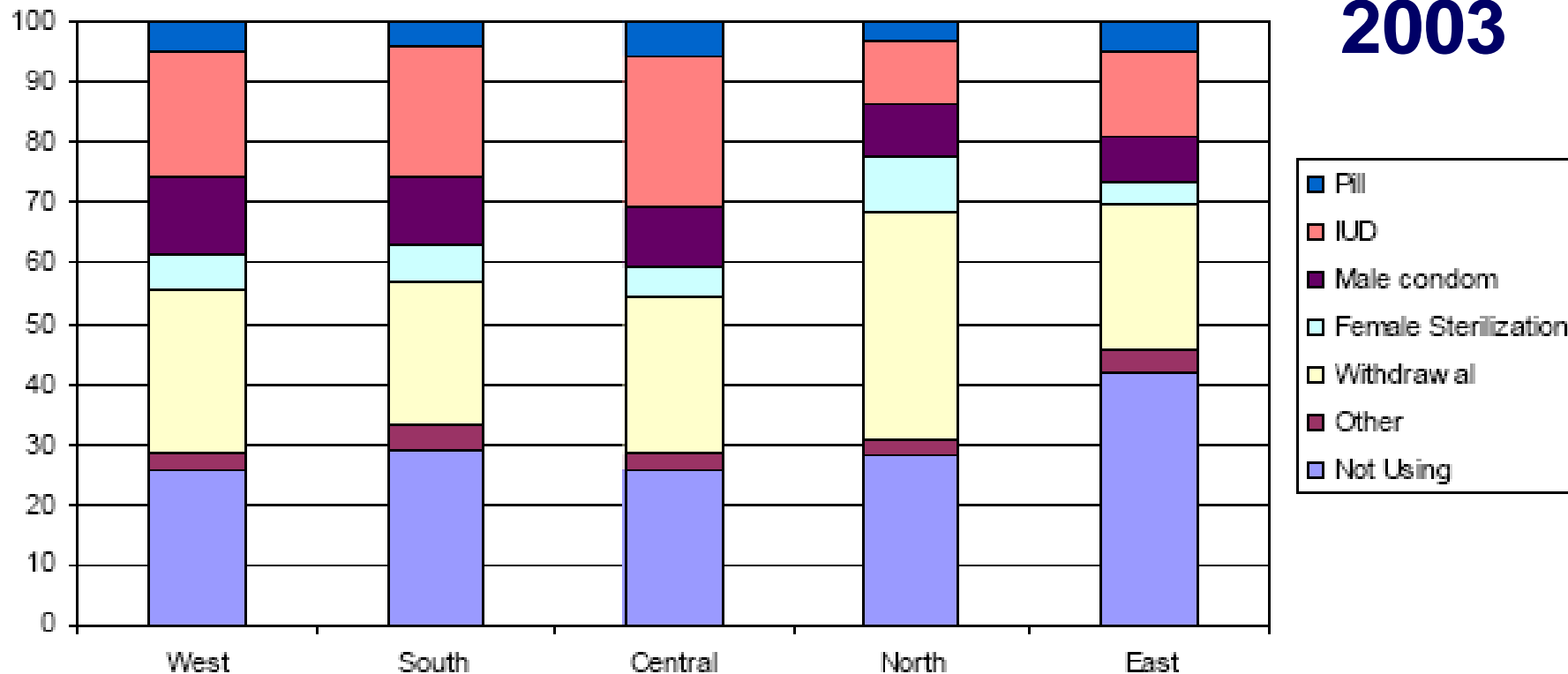


Figure 5.1 shows the most commonly used methods by region. Withdrawal use rates range from 24 percent in the South to 38 percent in the North. For the pill and IUD, the lowest rates are in the North and the highest rates are in the Center. Use of male condom, on the other hand, is lowest in the East and highest in the West. Female sterilization is most common in the North and least common in the East.

Figure 5.2 Current Use of Family Planning Methods, Turkey 1993, 1998, and 2003

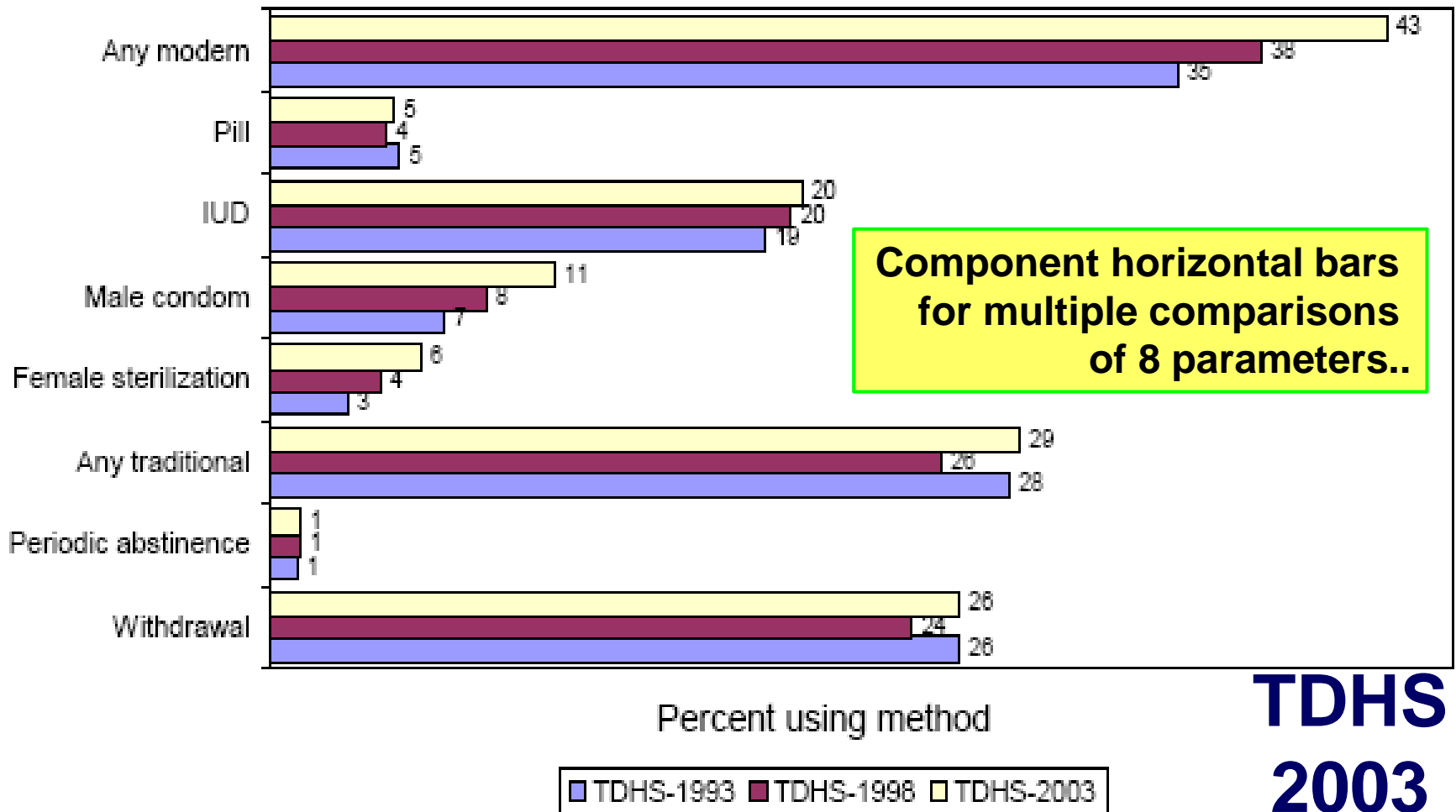
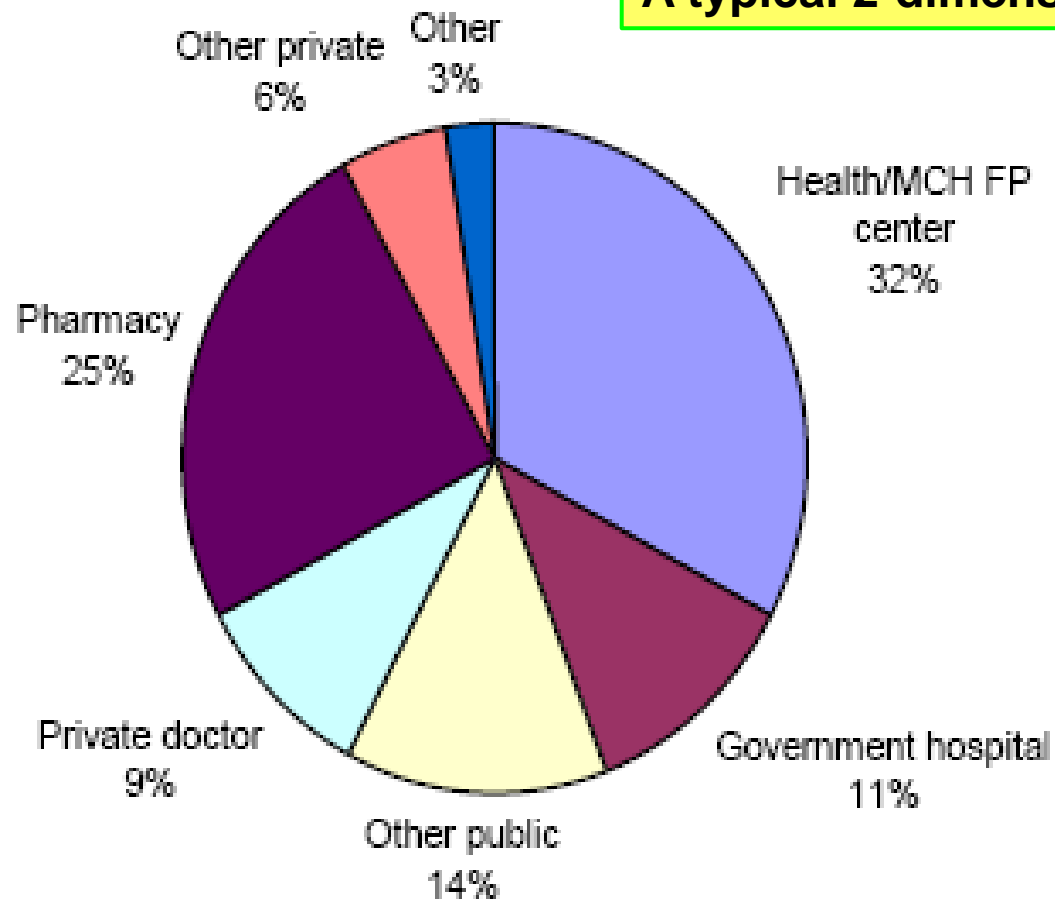


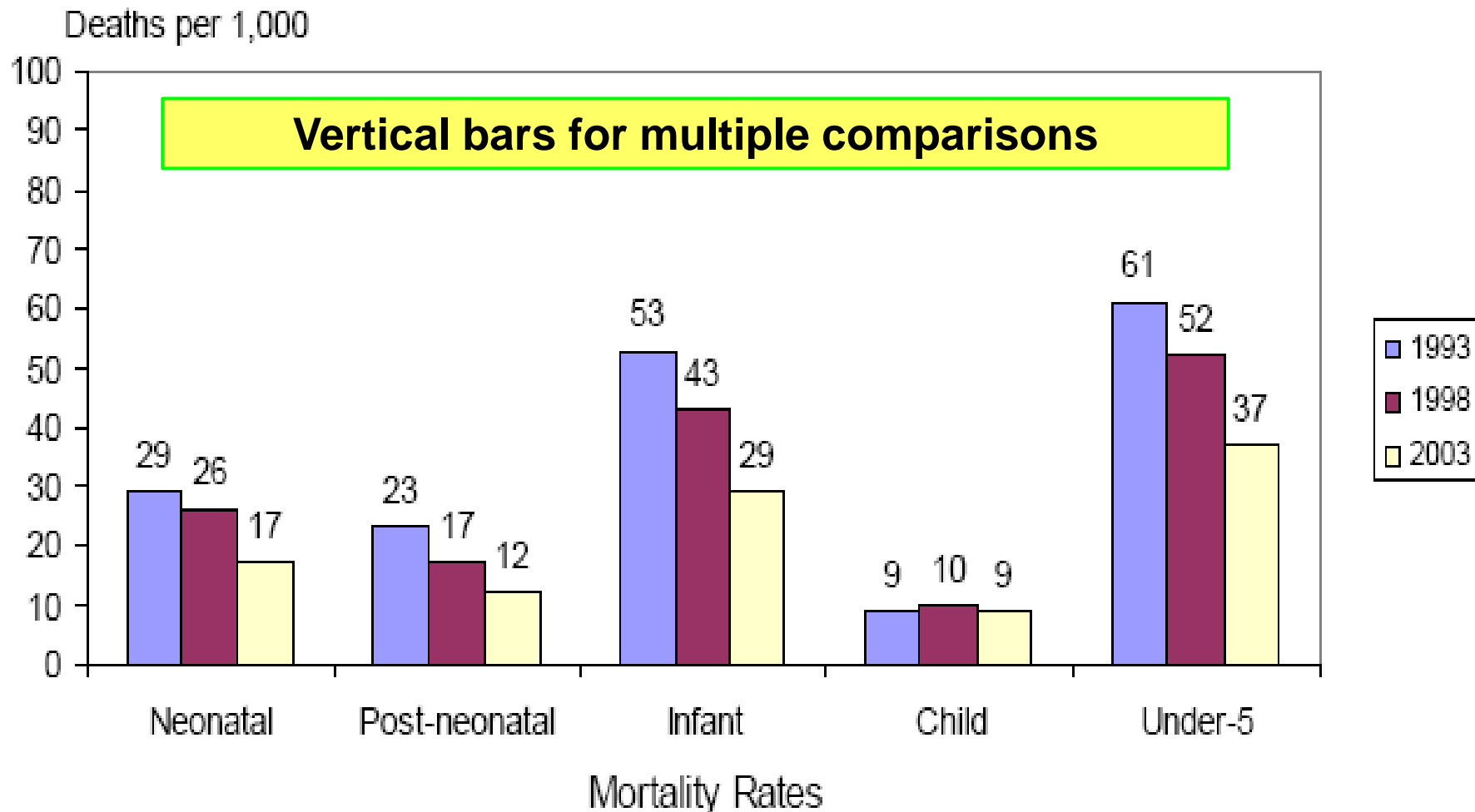
Figure 5.3  
Source for Modern Contraceptive Methods

A typical 2-dimension pie chart

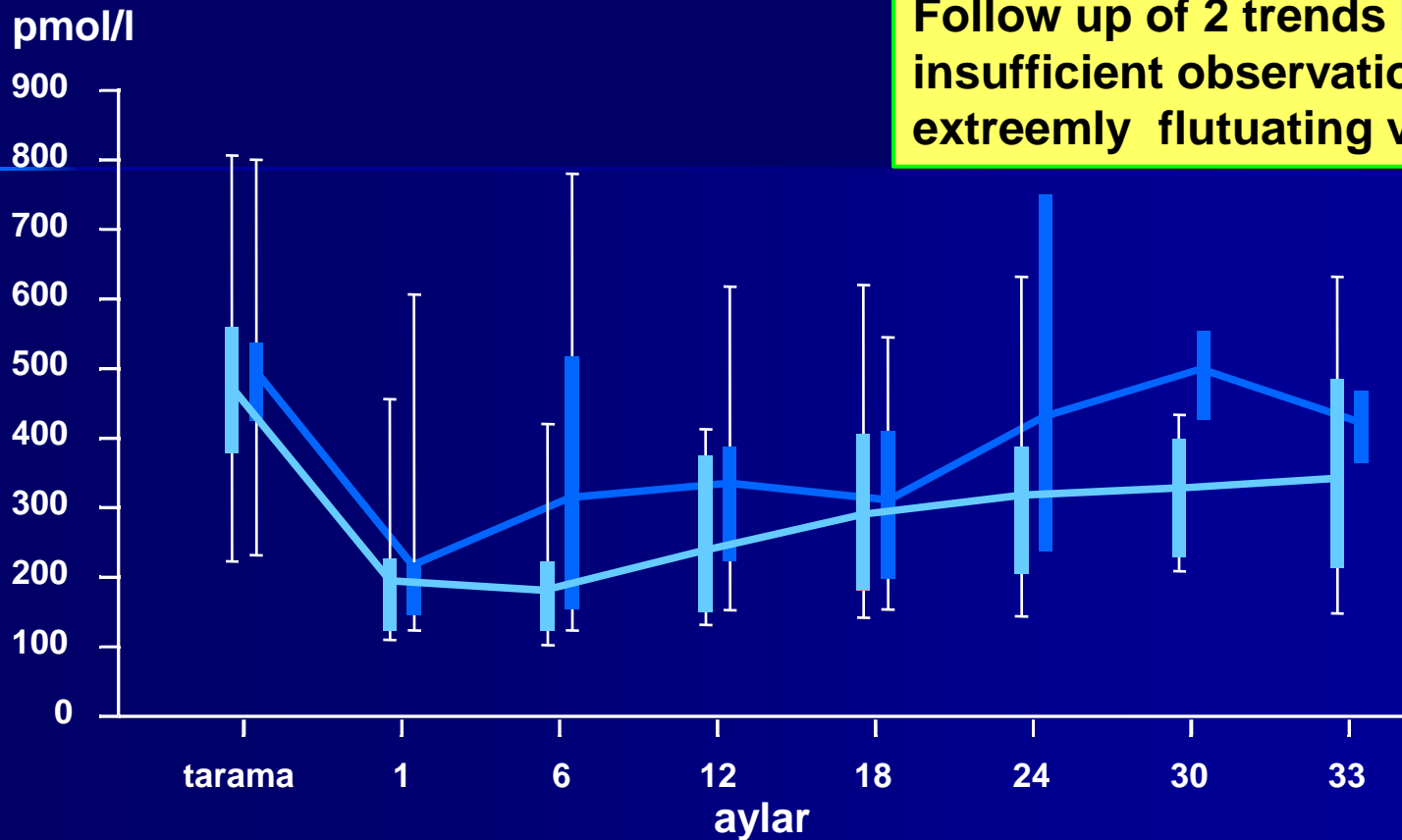


TDHS-2003

Figure 9.1 Trends in Infant Mortality  
Estimates for 5-Year Periods Preceding the TDHS-1993,  
TDHS-1998, and TDHS-2003



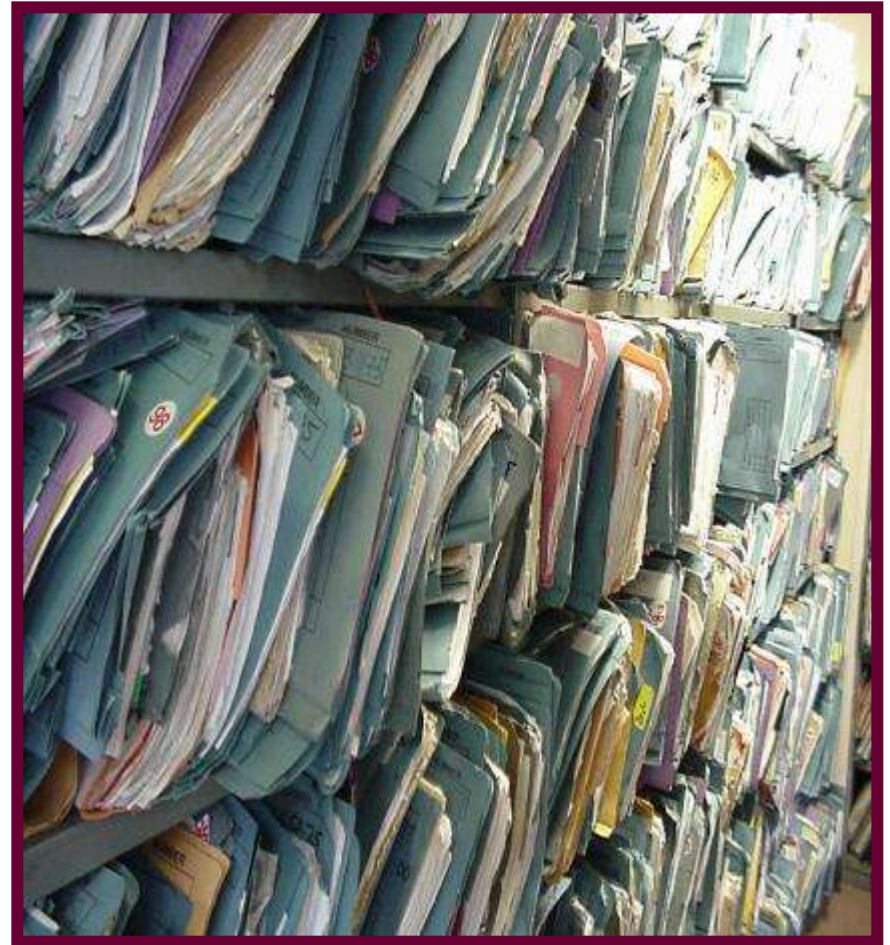
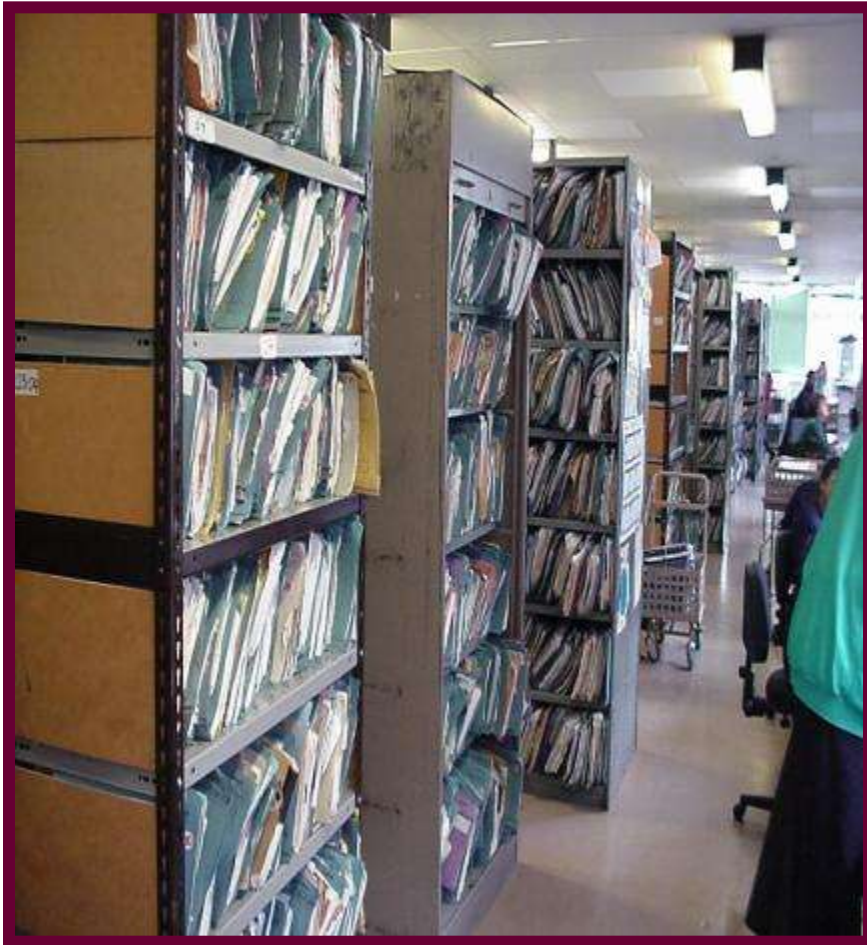
# E<sub>2</sub> Serum Levels

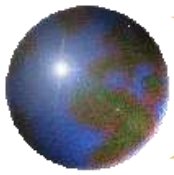


Implanon	N =	16	16	13	11	10	7	7	7
Norplant	N =	16	16	14	11	11	3	3	3

(Croxatto and Mäkäräinen. Contraception 1998; 58: 91S-97S)

# Data processing in the virtual media : Just a revolution or breakthrough !

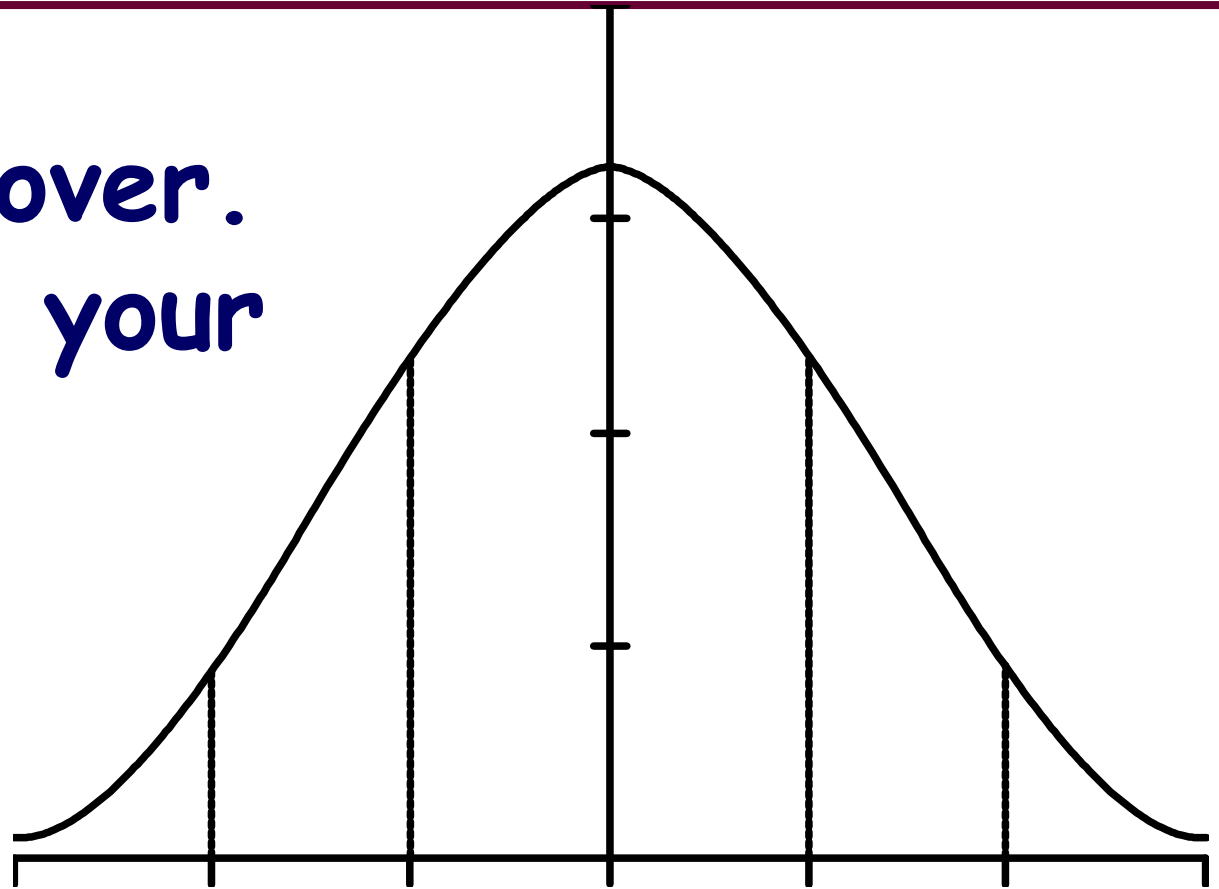




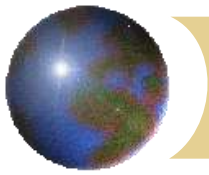
# The basis of the Universe is Mathematics..

Lecture is over.  
Thanks for your  
interest.

I expect your  
questions and  
comments..



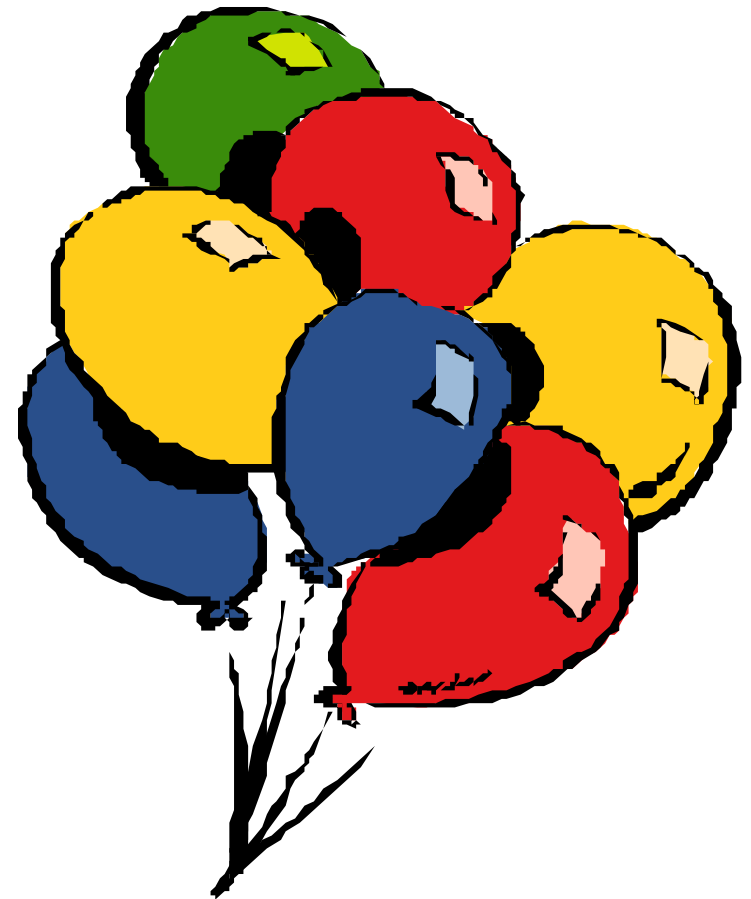
[www.ahmetsaltik.net..](http://www.ahmetsaltik.net..)



I wish you all, a happy, peacefull  
and prosperous new year..

*Your moderator;*

- ✿ Thanks you sincerely for your contribution and patience.
- ✿ Greets you with love and respect..



**Ahmet SALTİK, MD**  
***www.ahmetsaltik.net***