

*121 - Information to Insight*

HISTORY THEORY & REALITY TEAM

*- Business Cycle -  
Is next Depression coming to the United States?*

**BE READY FOR THE  
IMPACTS!**

TELL ME MORE





The European Physical Journal

volume 201 · May · 2012

# EPJ ST

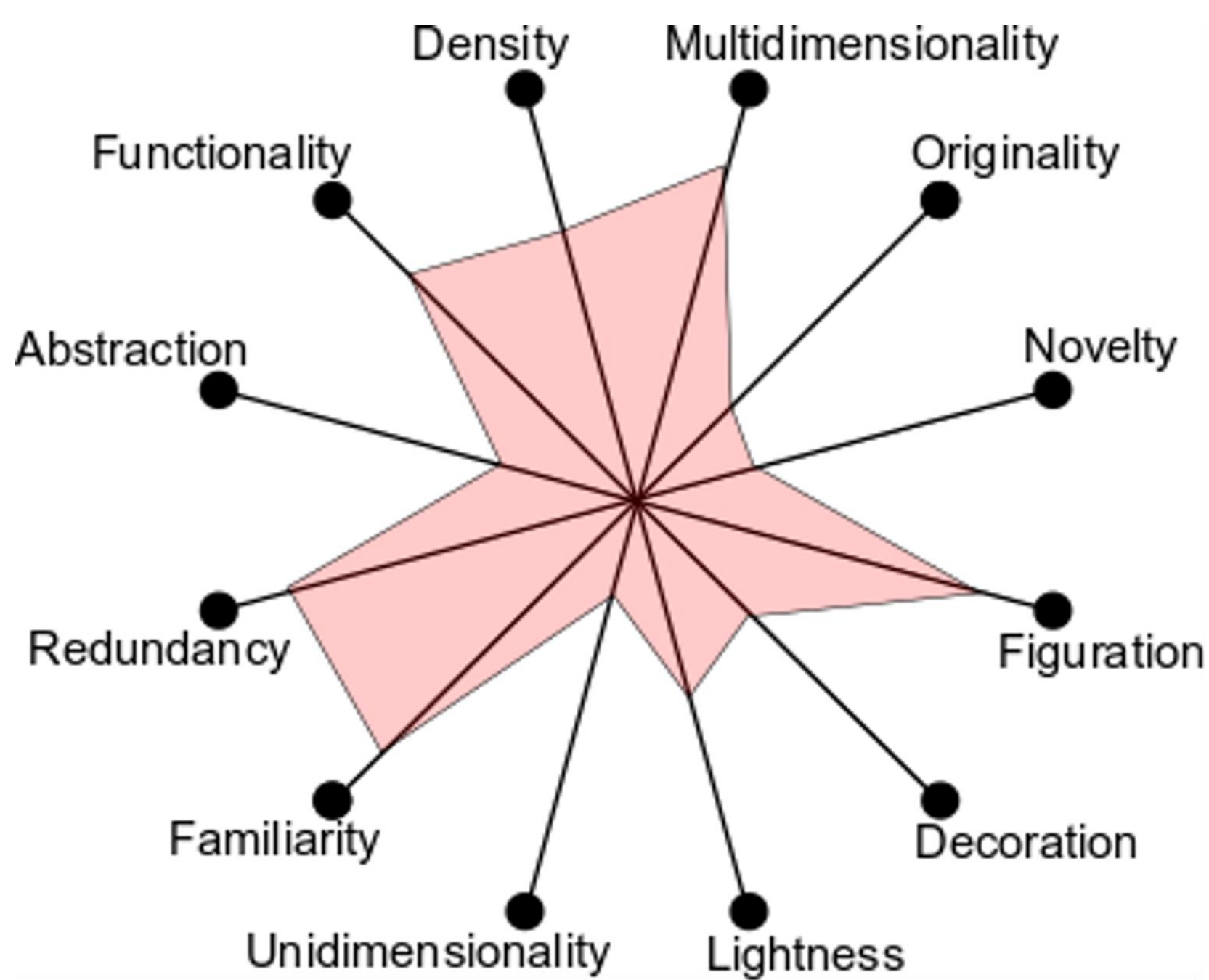


Recognized by European Physical Society

## Special Topics

D. Sornette, and G. Ouillon  
From Black Swans to Dragon Kings.  
Is There Life Beyond Power Laws?





S&P 500®

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**THE WORLD BANK**  
IBRD • IDA

**bea**

Bureau of Economic Analysis  
U.S. DEPARTMENT OF COMMERCE



# ABOUT THE HISTORY OF BUSINESS CYCLE

*Four famous bubbles you have to know the impacts.*

## 1636 ~ 1637 Tulip Mania

Tulip mania reached its peak during the winter of 1636–37. An offer of 49,000 metres square of land paid for one of two existing Semper Augustus bulbs. Some bulbs were reportedly changing hands ten times in a day, and no deliveries were ever made to fulfil any of these contracts, because in February 1637, tulip bulb contract prices collapsed abruptly and the trade of tulips ground to a halt. After over a year of political negotiation, the center of the tulip-contract trade during the "mania," determined the compensation to the sellers to be only 3.5% of the contract price for those contracts made between November 30, 1636 and the spring of 1637.





## 1923 ~ 1933

### Great Depression

The Great Depression was a severe worldwide economic depression that took place mostly during the 1930s, originating in the United States. The timing of the Great Depression varied across nations; in most countries it started in 1929 and lasted until 1941. The performance of the Dow Jones Industrial Average (DJIA) during the bear market of 1929. Although it was the crash of 1929 that gained the most attention, stocks continued to fall for another three years until bottoming out in July of 1932. The index drop from 381.17 on Sep 03, 1929 to 41.22 on Jul 08, 1932

## 2000 ~ 2002

### Dot-com Bubble

The dot-com bubble (also known as the Internet bubble) was a historic economic bubble and period of excessive speculation that occurred roughly from 1997 to 2001, a period of extreme growth in the usage and



# THE THEORY AND REALITY

*Let's learn more about business cycle.*



## The Business Cycle

*Four Stages Theory and S&P 500 index data*



## The Industry Impacts

*2007~2017*



## The World Wide Trend

*2007-2008*

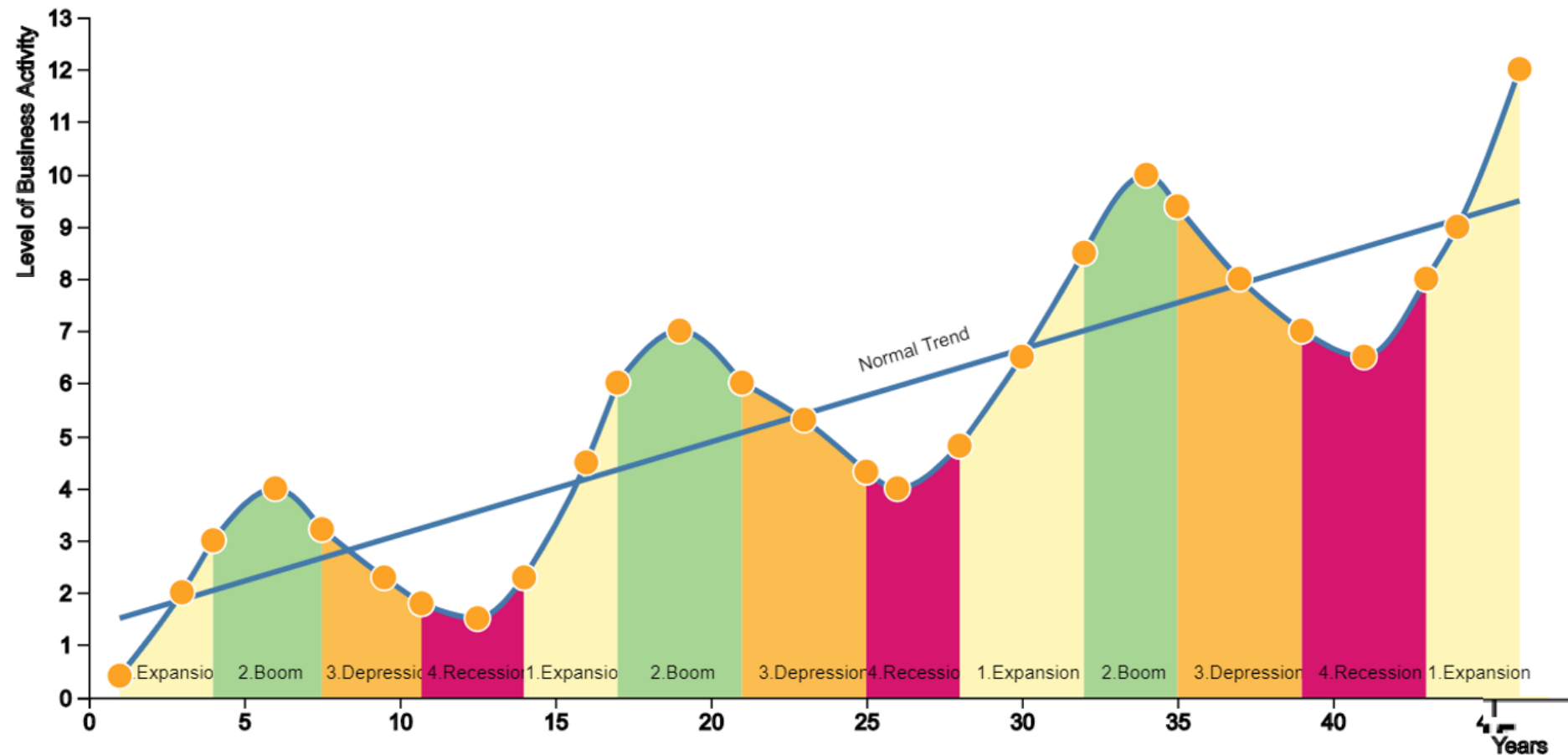


## The Heat

*2015-2017*

# BUSINESS CYCLE THEORY

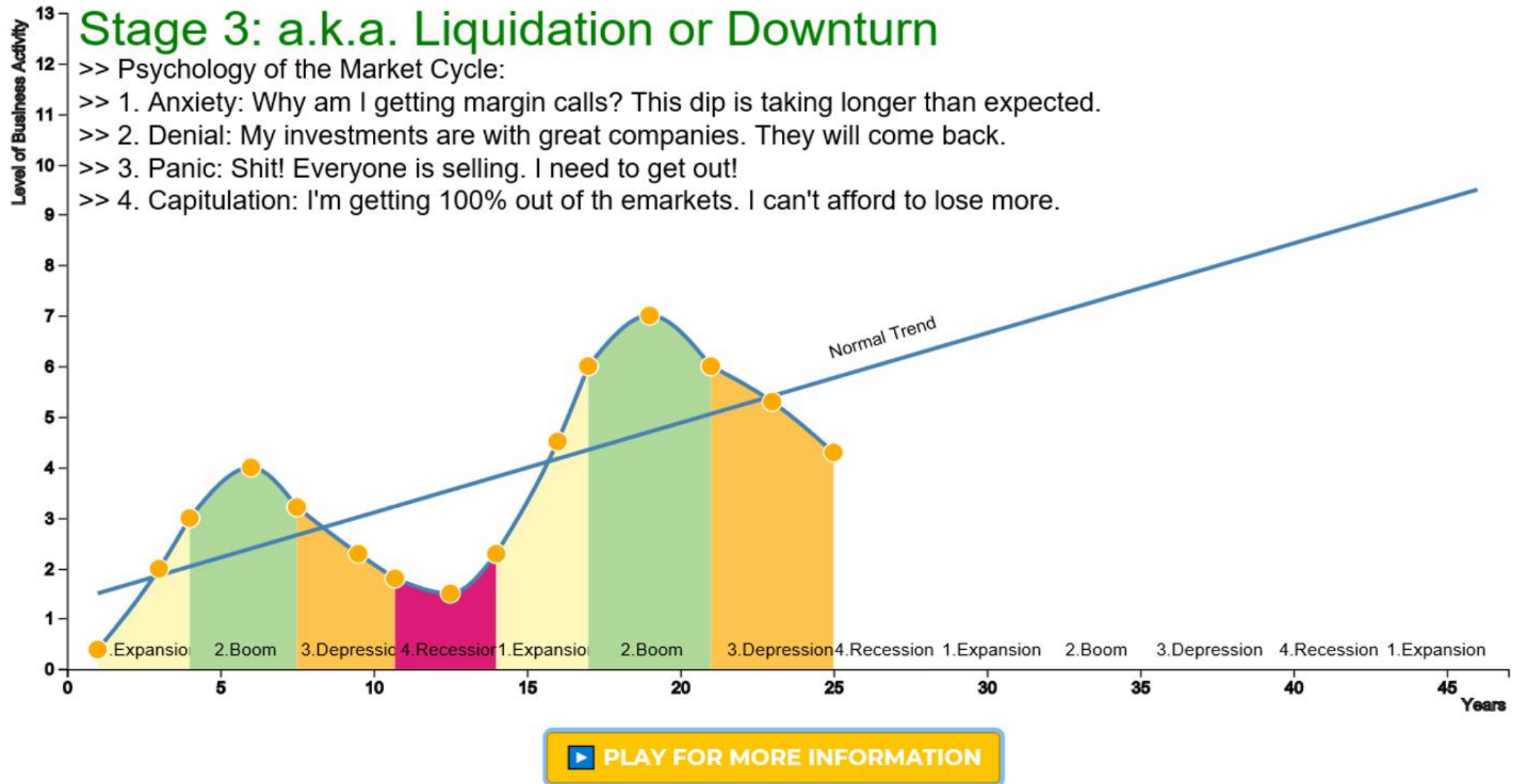
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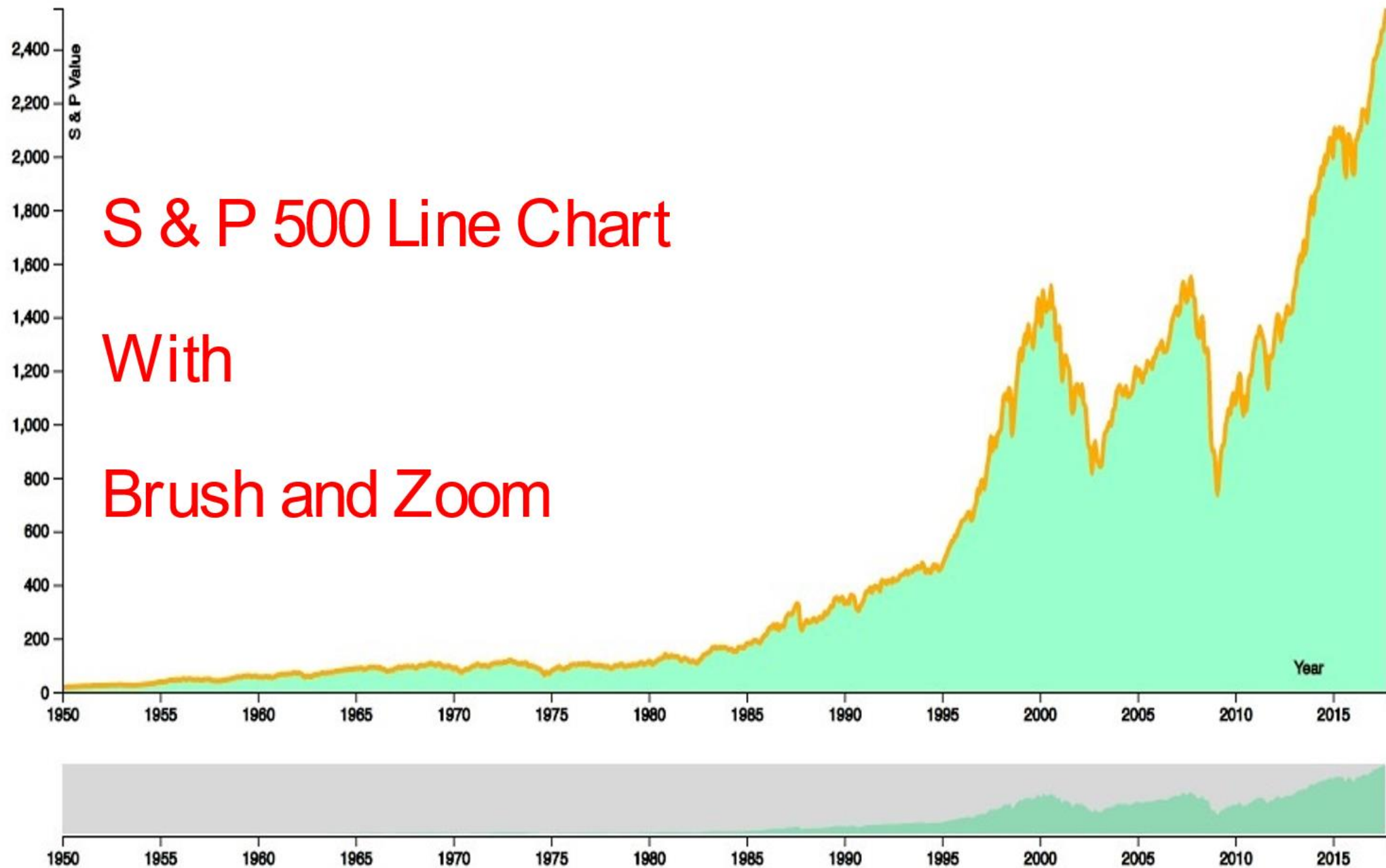


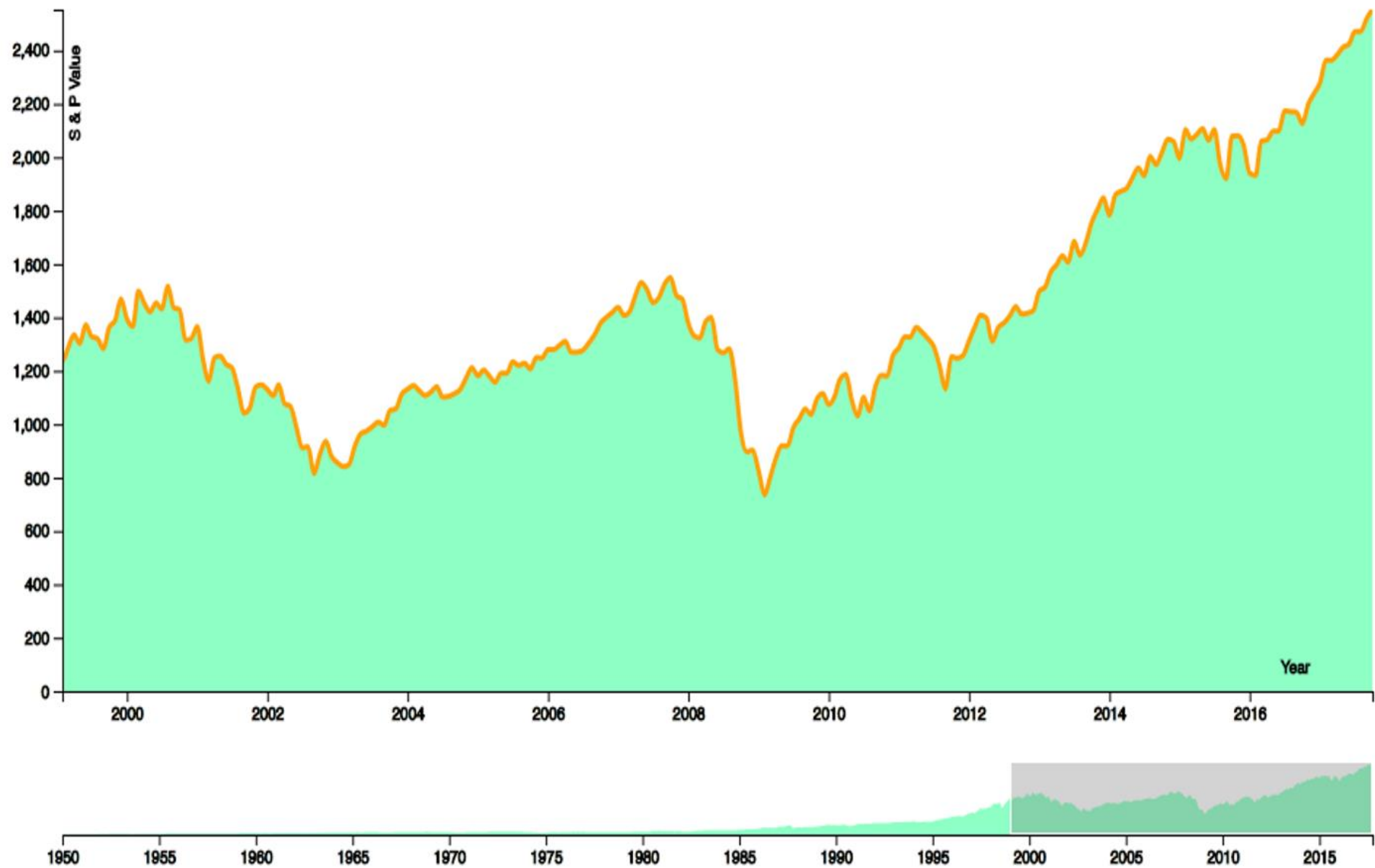


# BUSINESS CYCLE THEORY

Please click the play button below to tell the story by system. Or you can move cursor to each orange point for more information.

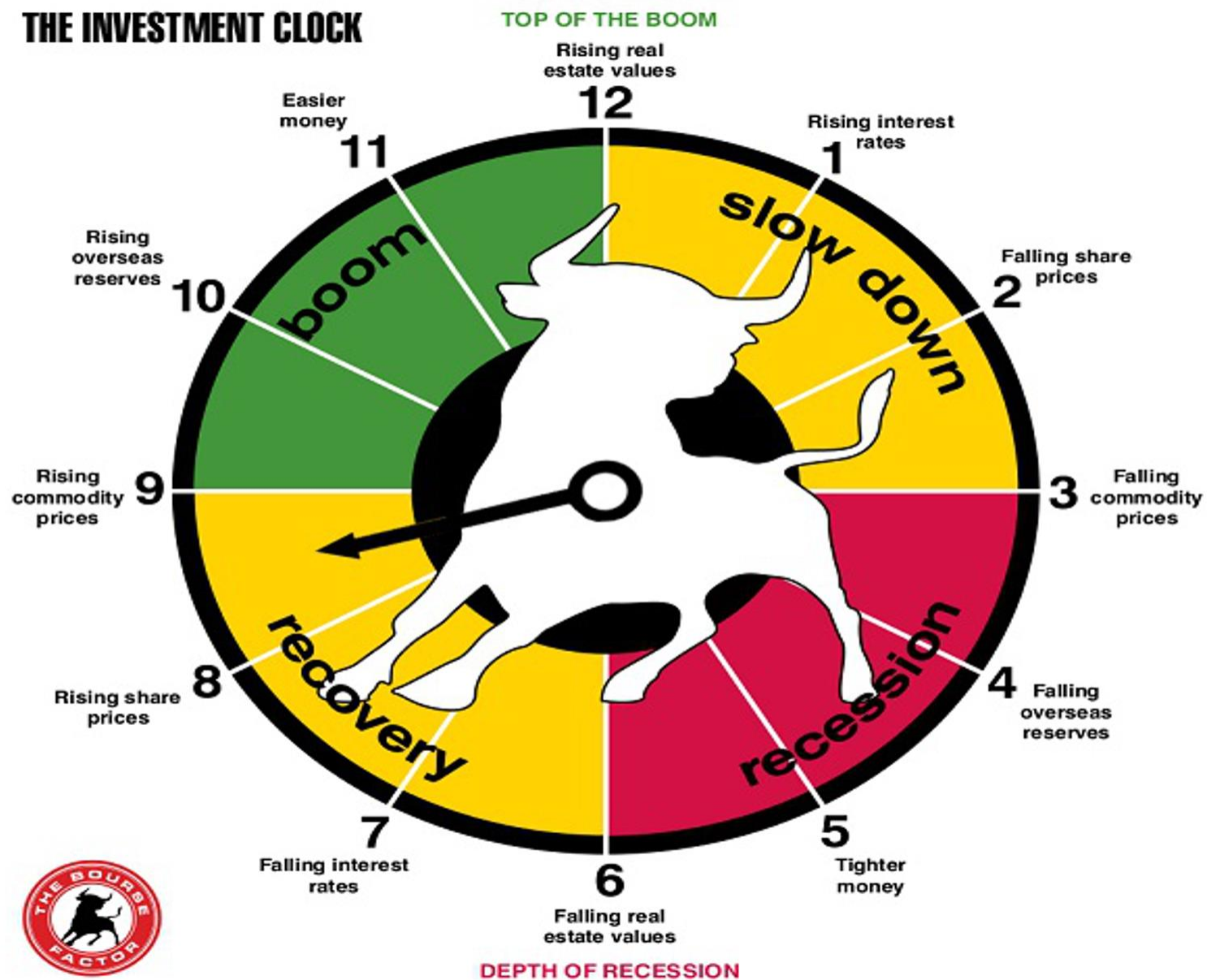




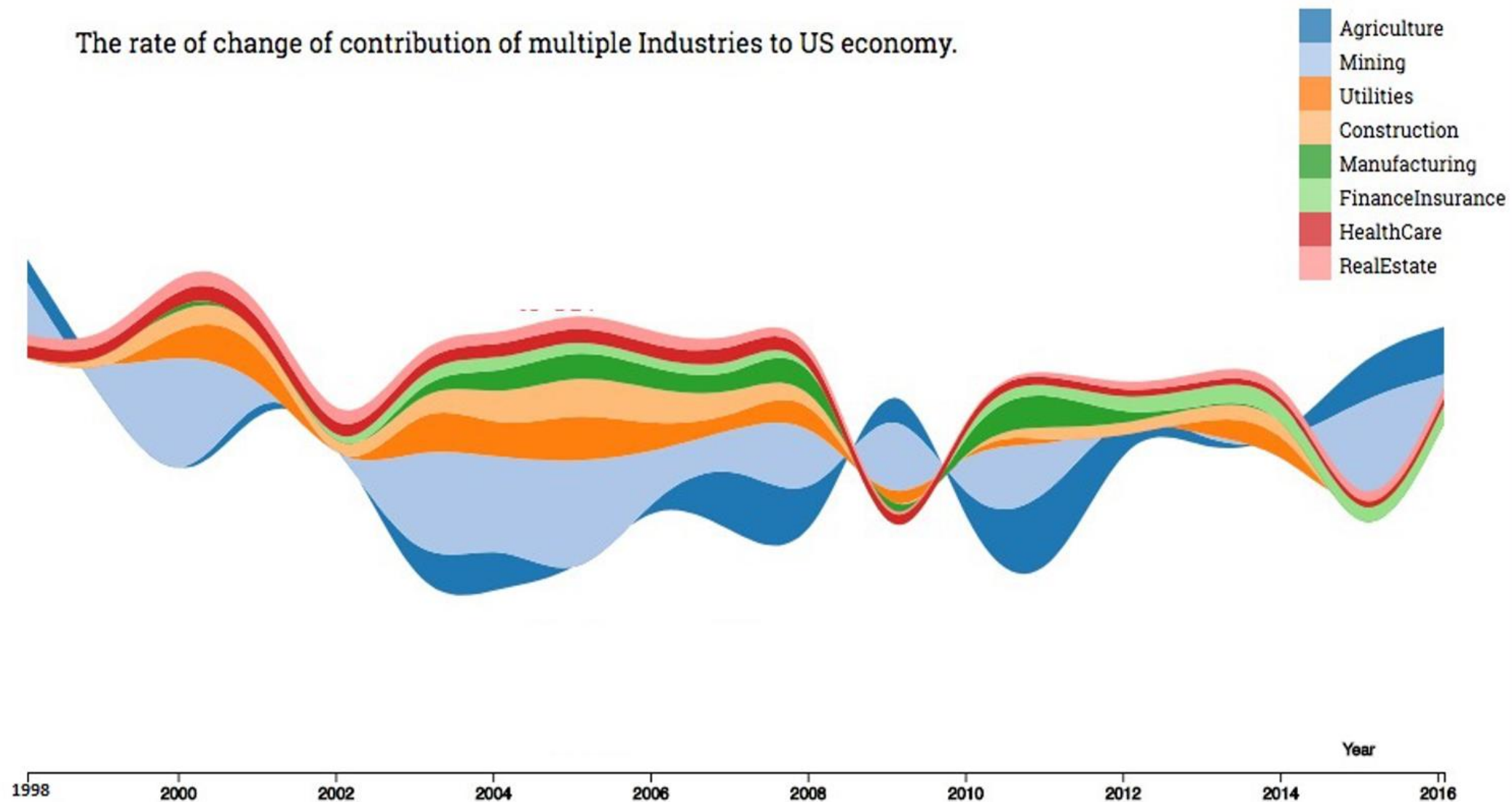




## THE INVESTMENT CLOCK

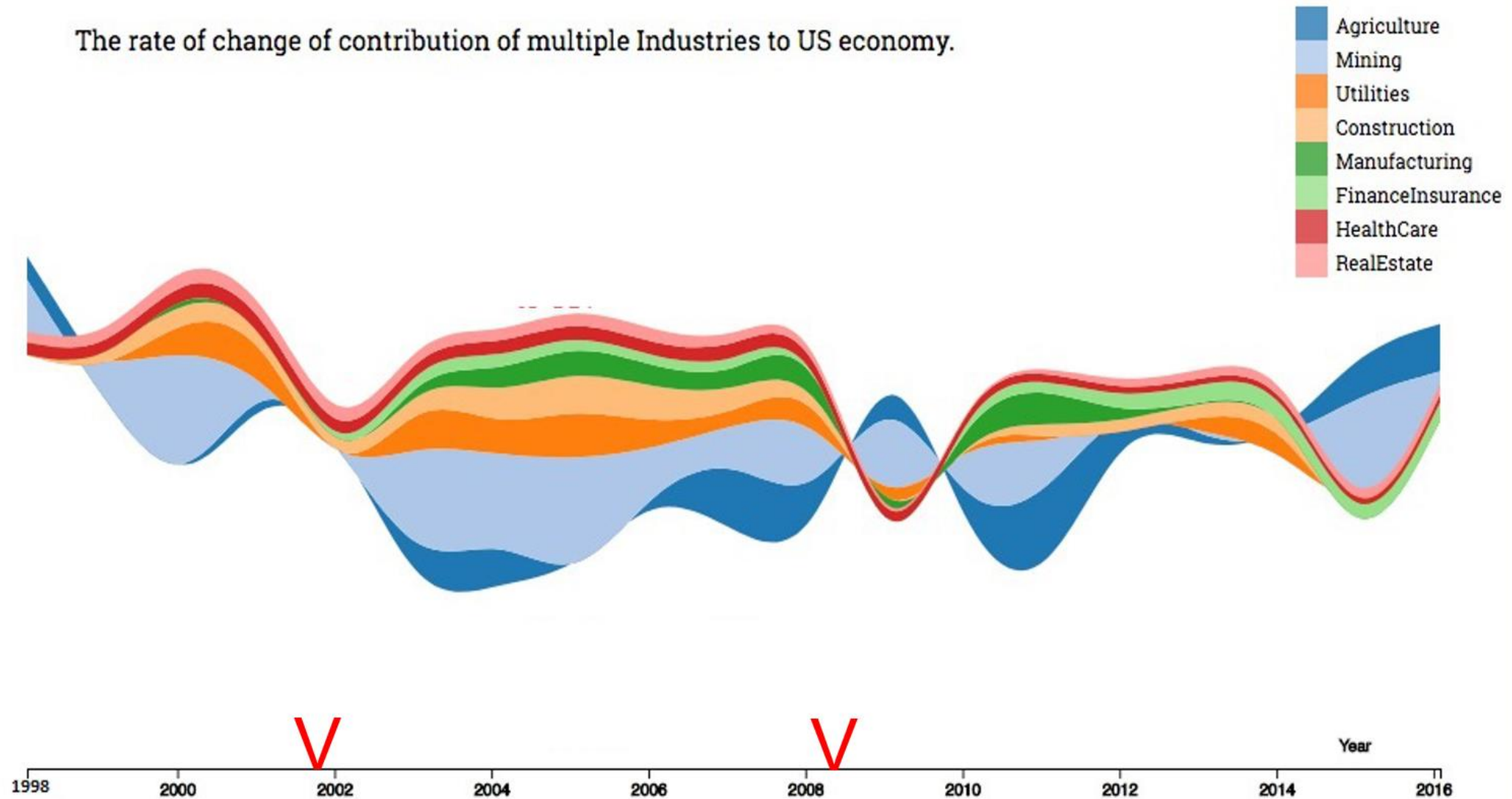


The rate of change of contribution of multiple Industries to US economy.



This chart is an assesment of the impact for 2000 & 2008 recession on the different Industries of United states.

The rate of change of contribution of multiple Industries to US economy.



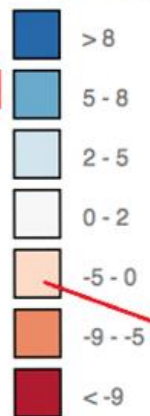
This chart is an assesment of the impact for 2000 & 2008 recession on the different Industries of United states.



d3.geoRobinson

COLORBREWER 2.0  
diverging color scheme

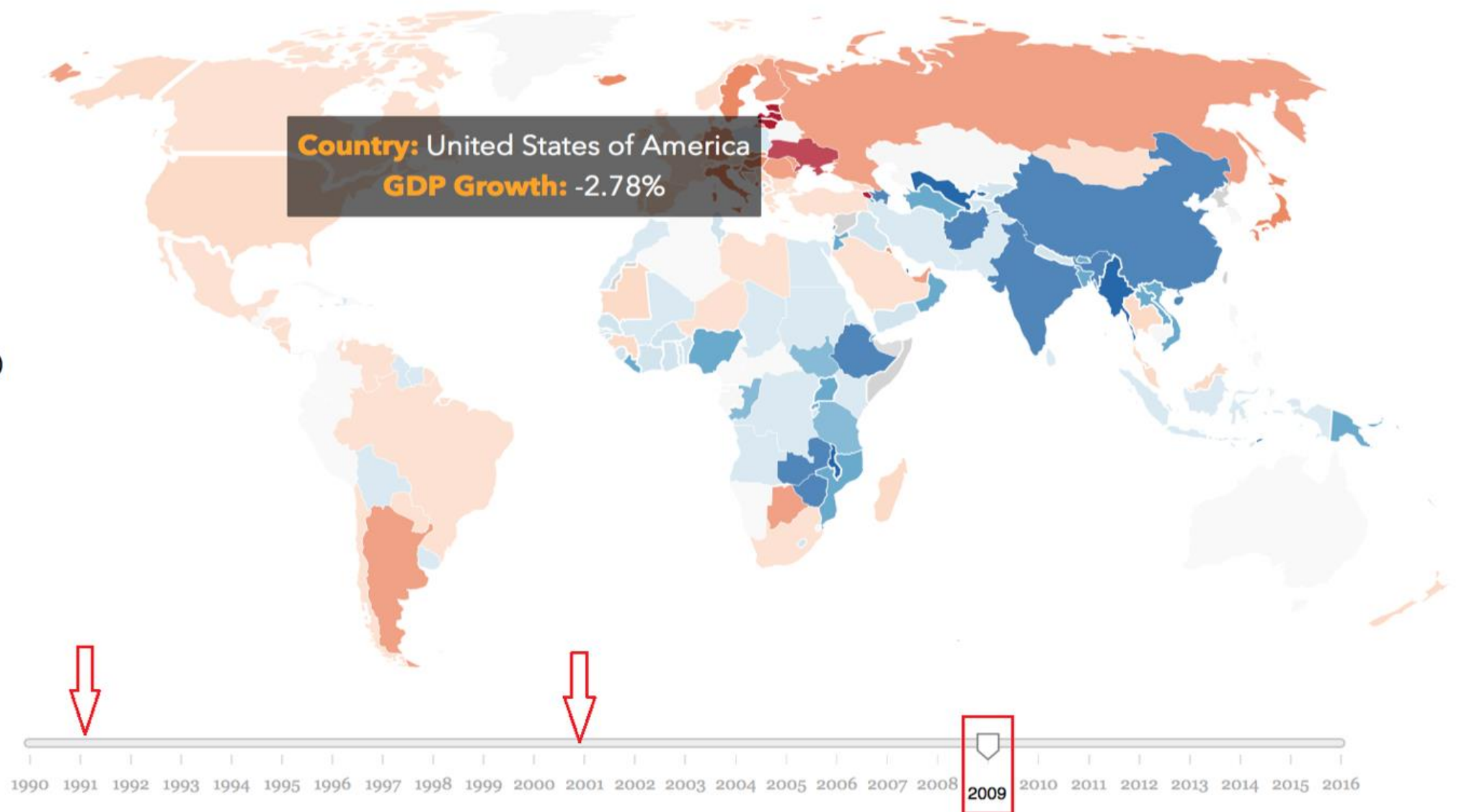
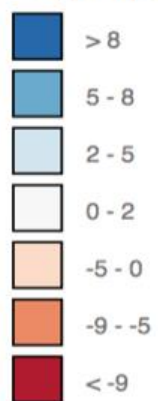
Legend(%)

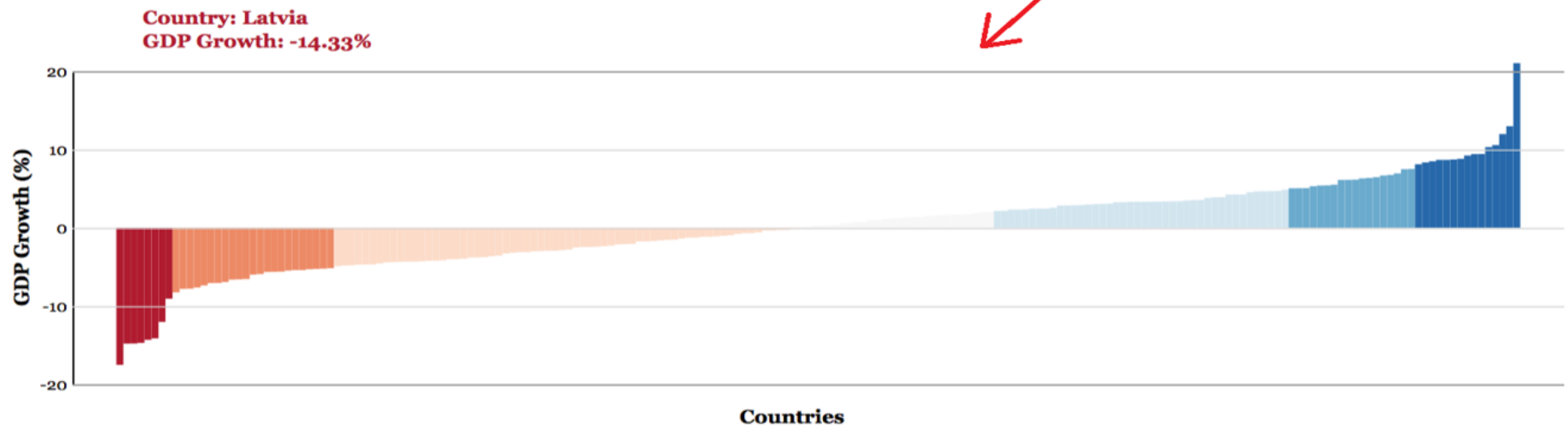
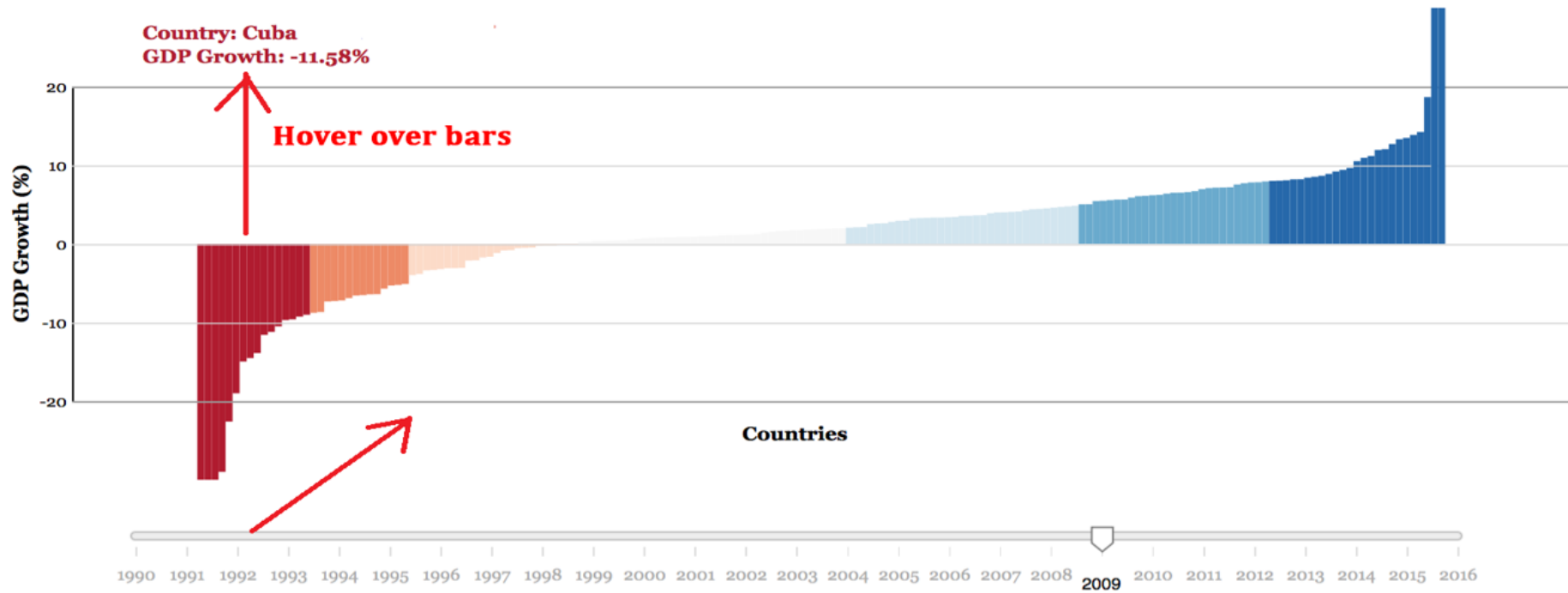


**Country:** United States of America  
**GDP Growth:** 1.78%

1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

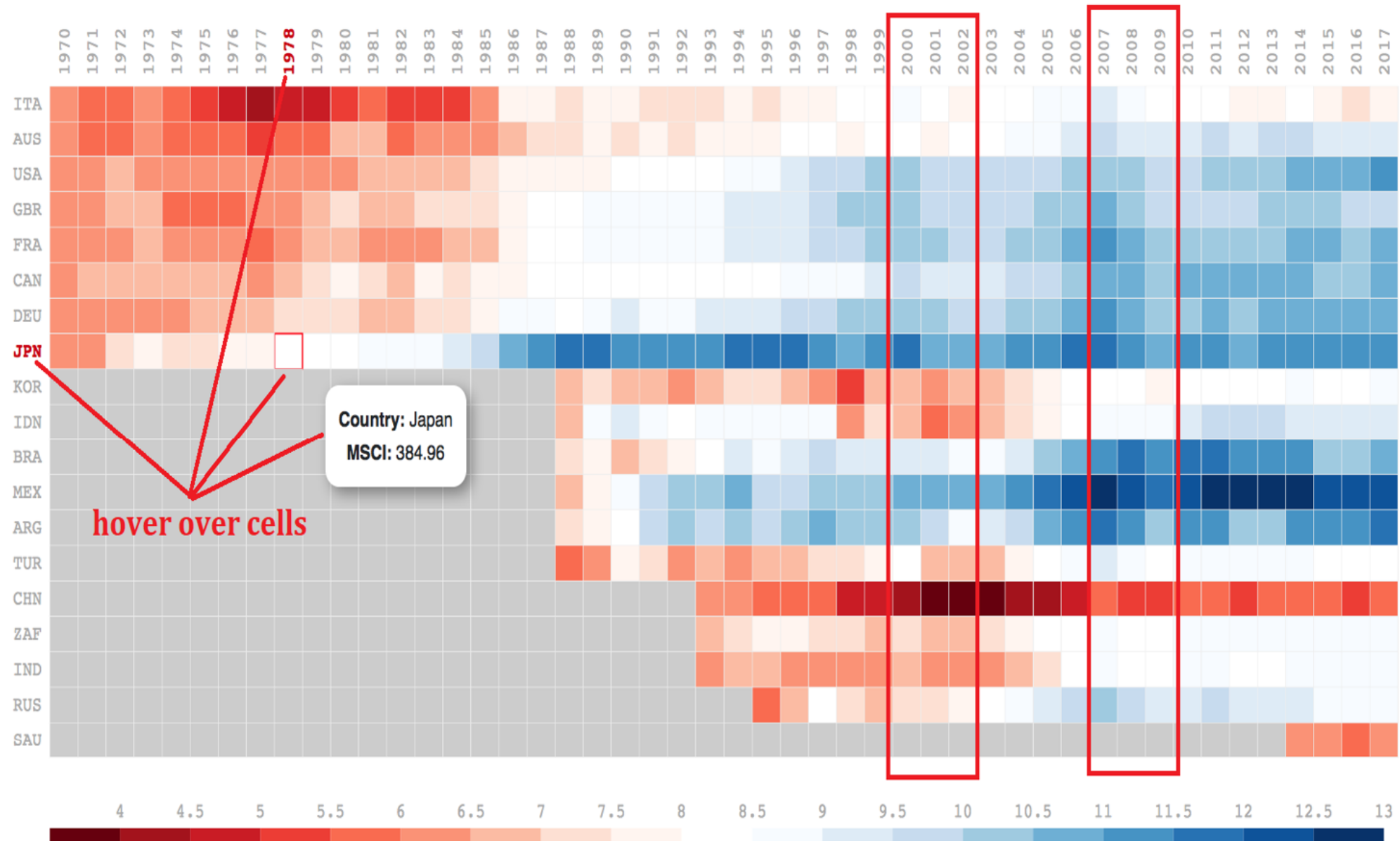
Legend(%)



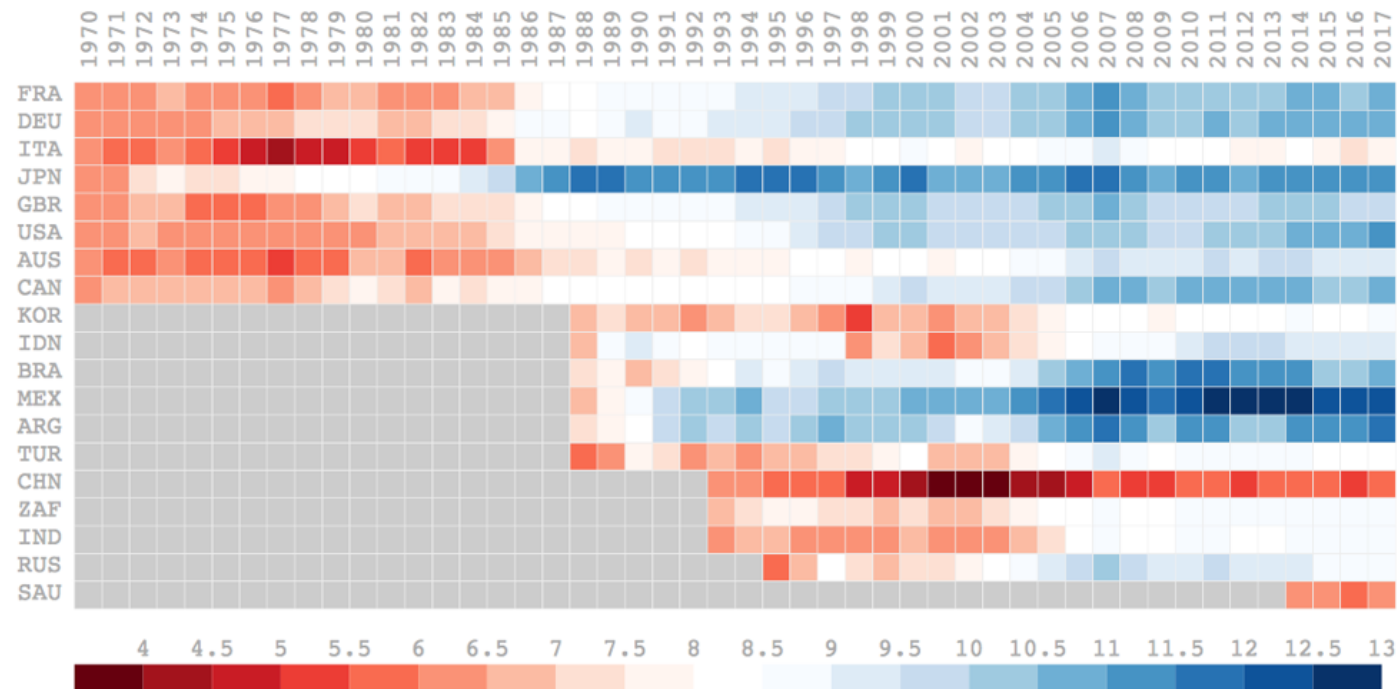


WORLDWIDE RECESSION !!









resize according to window size

click to sort by value in this column

YEAR	FRA	DEU	ITA	JPN	GBR	USA↓	AUS	CAN	KOR	IDN	BRA
2017	1735.73	2114.81	256.75	3034.77	1142.40	2311.28	801.18	1638.27	466.35	820.88	1884.02
2016	1480.64	1800.64	218.70	2720.47	1066.61	2004.13	707.39	1474.00	374.28	742.37	1472.09
2015	1592.33	1974.53	280.80	2830.79	1224.03	1963.21	748.23	1533.80	379.19	706.75	1422.23
2014	1707.55	2107.18	312.62	2652.27	1353.75	1859.32	892.80	1822.32	430.48	807.41	2219.61

Breakpoints

Ex All Exceptions

Ex Uncaught Exceptions

A Assertion Failures

DOM Breakpoints

XHR Breakpoints

Sources

js AppComponent\_Host.ngfac...

/AppModule

js AppComponent.ngfactory.js

/AppModule

js BarChartComponent.ngfact...

/AppModule

common.js — org.adblockp...

content.js — org.adblockpl...

cssProperties.js — org.adbl...

js DonutChartComponent.ngf...

/AppModule

js HeatMapComponent.ngfact...

/AppModule

ie10-viewport-bug-workaro...

include.postload.js — org.a...

include.preload.js — org.ad...

js inline.bundle.js

localhost:4200/webpack:/...