

# MATTHIAS BROECHELER AURELIUS THINKAURELIUS.COM

associative memory and thinking

# **Enabling Humans**

What is the name of and highest degree earned by the wife of the current president of the US?

SELECT People.name, DegreeEarned.name

FROM DegreeEarned

INNER JOIN People ON DegreeEarned.personid=People.personid

INNER JOIN Spouse ON People.personid=Spouse.wifeid

INNER JOIN President ON President.personid=Spouse.husbandid

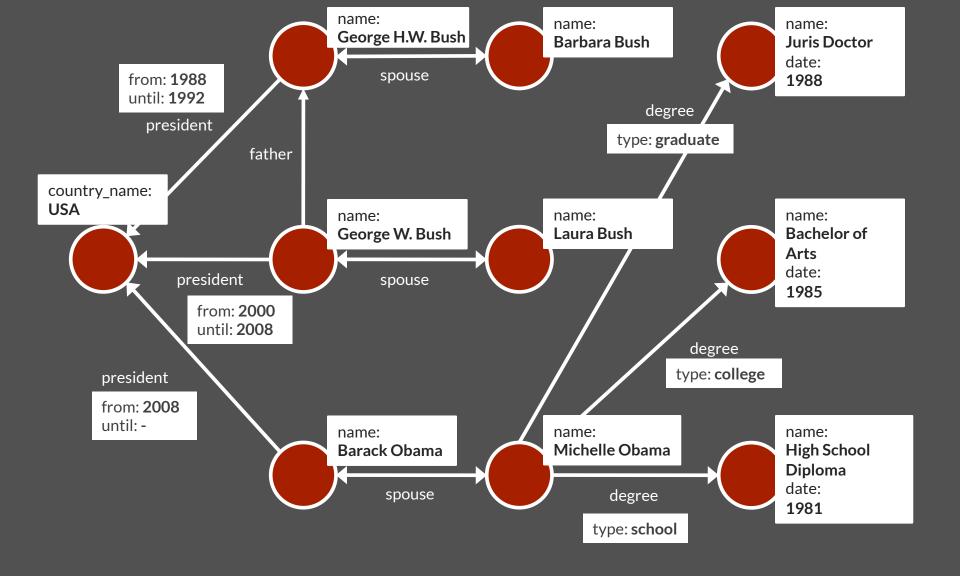
INNER JOIN Country ON President.countryid=Country.countryid

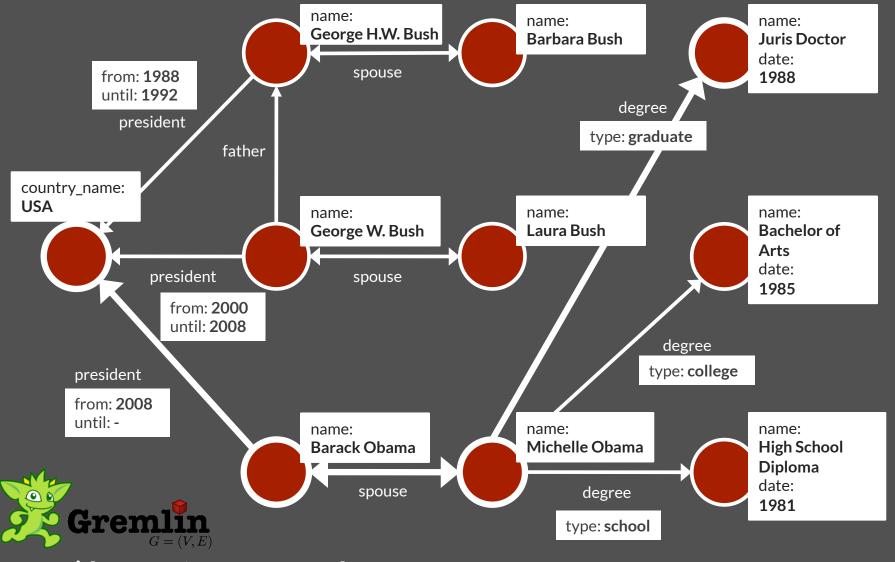
WHERE Country.name='USA' AND President.until=NULL

ORDER BY DegreeEarned.type LIMIT 1

What is the average term length of those presidents of the US that took office in the 1980s or later?

SELECT Avg(President.term\_length)
FROM President
INNER JOIN Country ON President.countryid=Country.countryid
WHERE Country.name='USA' AND President.from>1980





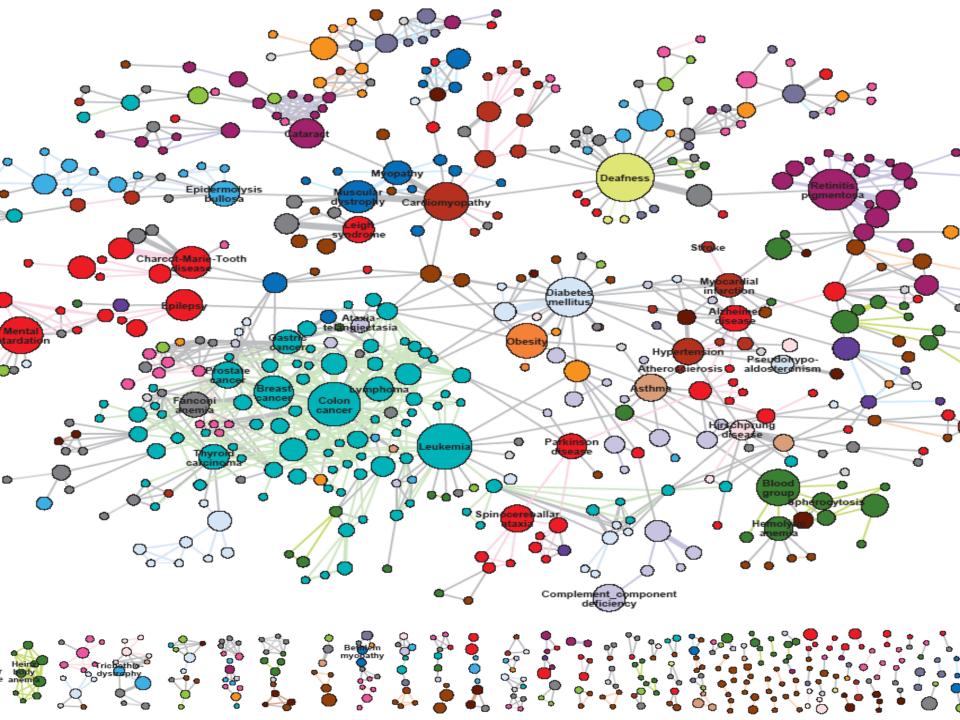
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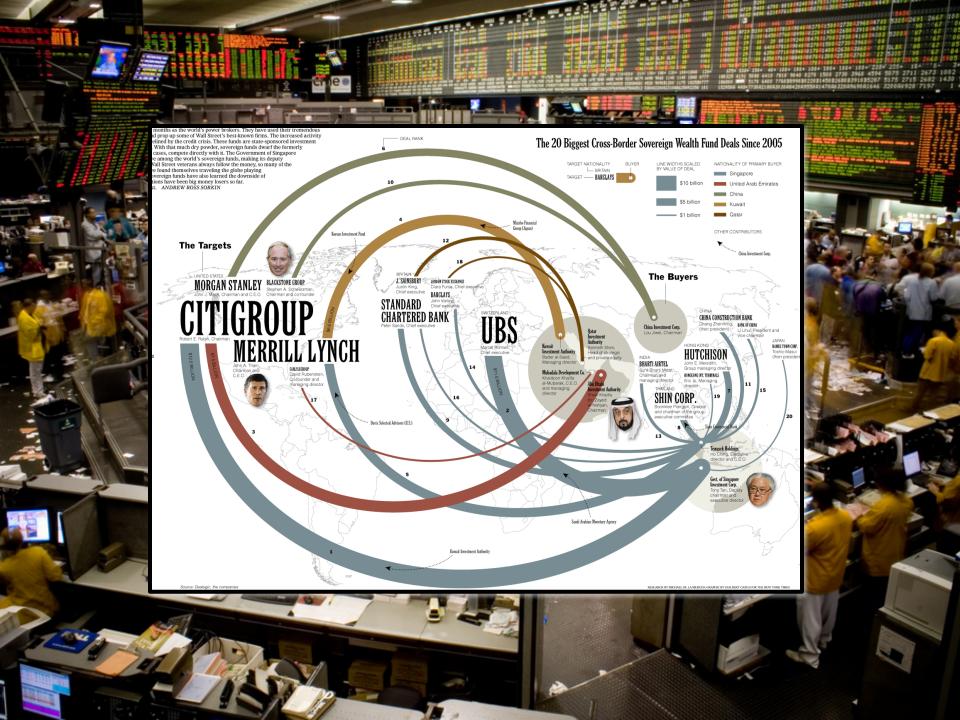
**Enabling Humans** 

## Complex Systems ~

made of many non identical elements L connected by diverse interactions







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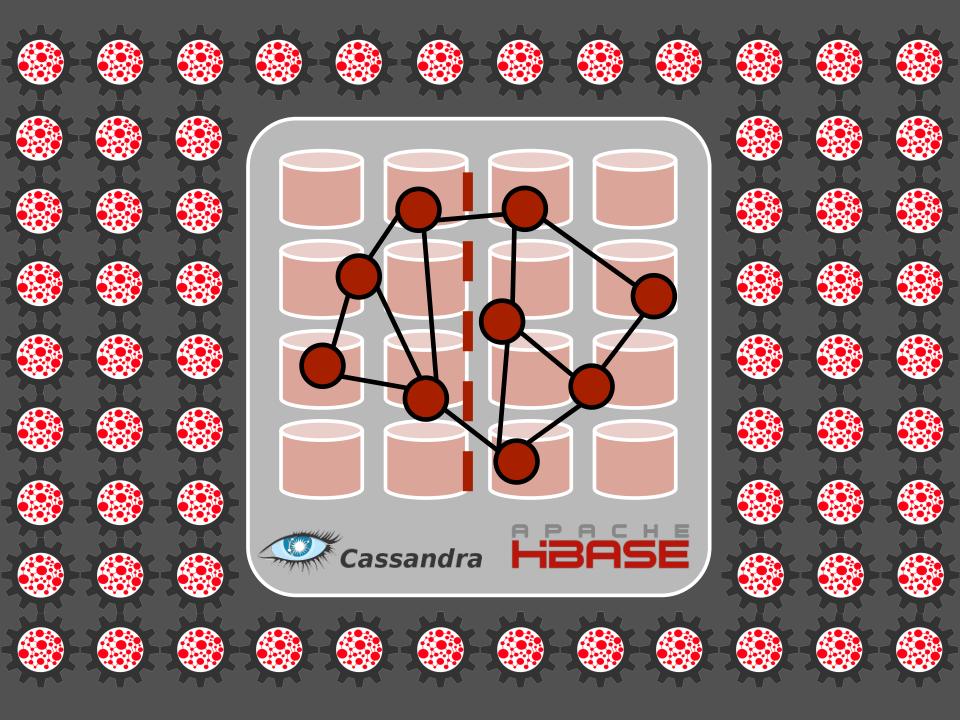
Enabling Humans
to analyze
Complex Systems ~

made of many non identical elements 2 connected by diverse interactions

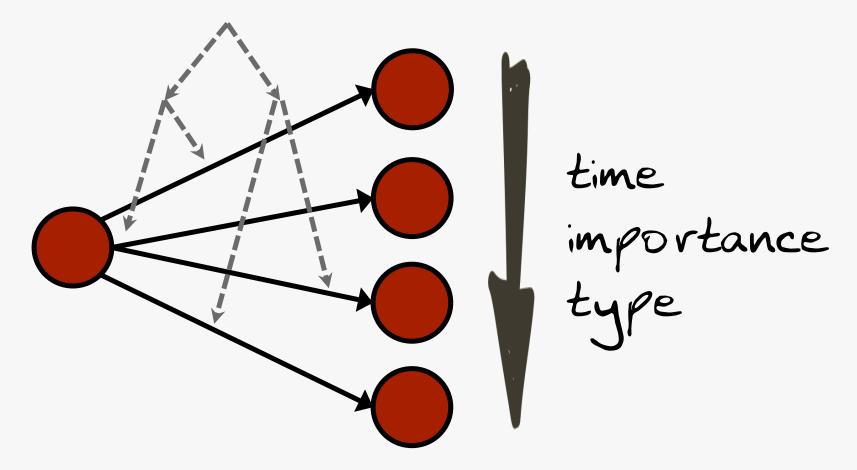


#### DISTRIBUTED GRAPH COMPUTING AT SCALE

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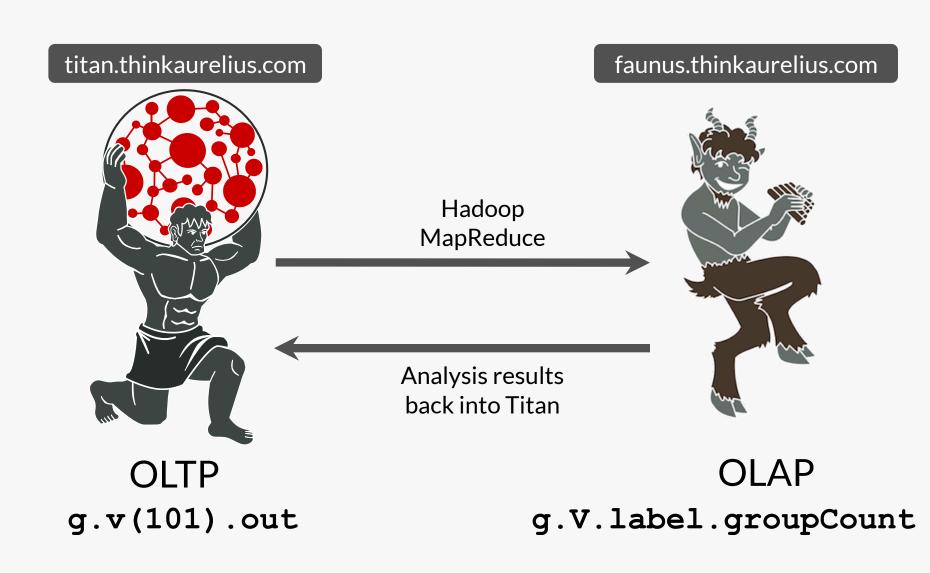


#### **Vertex-Centric Index**



#### AURELIUS GRAPH CLUSTER

APACHE 2





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