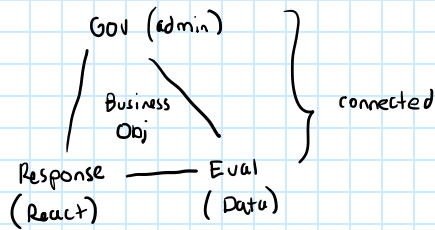


# Week 2

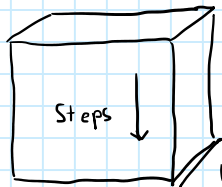
Friday, February 10, 2023 7:51 PM

## ISACA's

- Takes government as part of the model



## COSO



levels: this model must be applied to each level (all steps)

- US gov model  
01 Categorize

05 authorize

04 Assess (evaluate own process)

Segregation of Duties: one person has or doesn't have permission to change.

→ A person has permission to do 1 thing but not authorized to do x duties

↑  
You have to be authorized } a type risk assessment

## ◦ EBIOS

- Workshop-based for each step

## ◦ IRM (Institute of Risk Management)

- Formal audit at every step

### Planificación

↳ Qué gente, herramientas, nivel de detalle

### Análisis cualitativo

↳ Categorización

### Análisis cuantitativo

↳ Simulacros, árboles de decisión

} decides para cada riesgo, qué análisis se hace

### Implementar

↳ Lanzar el proyecto

### Monitoreo

↳ Si el plan funciona o no



Vhi: Very high

AMEF entra en Análisis de datos

Monte Carlo Simulation: Risks, for prob of coincidences

- Herram Clave por proceso

Análisis de desempeño técnico: monitoreo de si cumple el prod con lo que esperaba

Contractor Logo:  Client Logo: 

Project Name:  Client Name:

Project Manager:  Risk Manager:

Planned Start Date:  Planned End Date:

Commercial Budget:  USD Max. Cost Exposure:  USD

Man-hour Budget:  Max. Schedule Exposure:  Weeks

Project Type:  Industry Sector:

Region/Country:

In Mexico

from scratch

cuánto te pasas de tiempo

de tu budget, cuánto se pondría en riesgo

PROJECTS REPORTS

Project Directory Maintain Projects

Risk Directory Maintain Risks

Public Risk Directory Maintain Risks

Maintain Resources

Risk Matrix

Project Directory

Phases

Facilities

Departments

Job Titles

Currencies

Risk Bearers

Industry Sector

Project Type

change things about your projects

add a new

→ Risk Management moves (engages) the org staff to Risk culture

→ Features of a risk manager:

knowledge  
skills  
people - oriente



Risk: uncertainty that can affect outcome.

↳ Probability  
↳ Impact

Uncertainty types or categories

forget to apply

to do: improve knowledge management to...

Un Known - knows

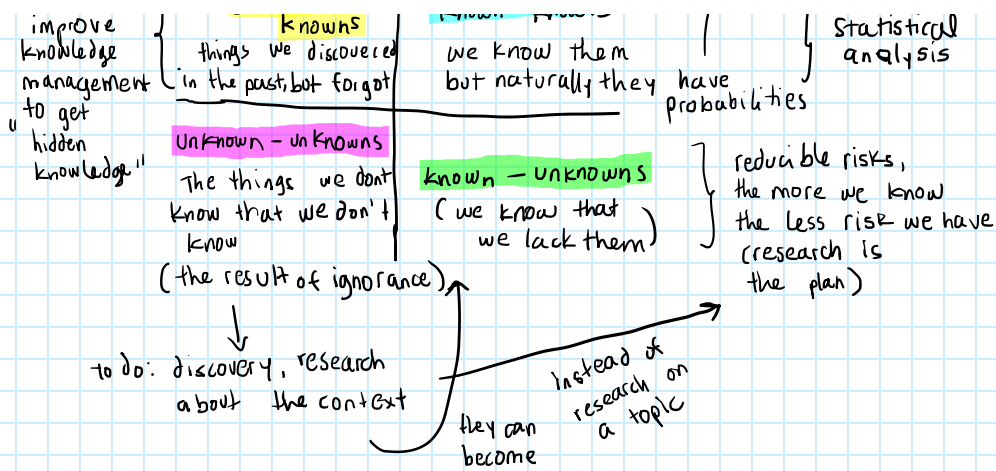
things we discovered in the past, but forgot

Known - knows

we know them but naturally they have probabilities

you know everything you need to know

Statistical analysis



- These types of risks represent the types of uncertainty
- Risk registry keeps in mind these.

How smart people make decisions?

- List all pros and cons

- 1) Calculate the maximum utility
- 2) Use rules of thumb (heuristics)

Intuition: the person knows what to do but doesn't know why

Use heuristics:

1. Predictive uncertainty: large
  2. N: large (total data)
  3. Learning sample: small (options)
- } avoid paralysis for analysis

Former days seem impossible to revisit, not due to memory but to emotional aversion.

Hmw: do to slides (1 per team)

Risk Directory of test

☒ Group By Risk Consequentiality ☐ Mark All Risks As Private

Search

Risk ID #	Description	Occurrence Date	Phase
Write your risks here			

- Hwk: 1 person sends by email the two slides
- Evaluación de Gestión de riesgos