

# Nobel Ontology

Group A3D

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# Overview

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**1. Domain of Interest**

**2. Ontology Design**

**3. Problems**

**4. Analytics**

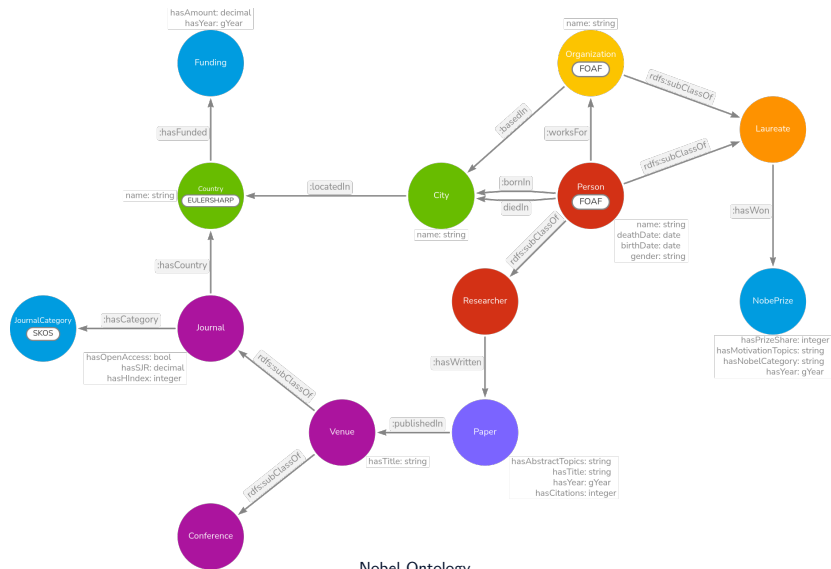
# Domain of Interest

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We have chosen the domain of scientific research. Specifically, we aim to analyze potential correlations among Nobel Prize winners, their publications, and the research funding invested by various countries. This domain was selected because it allows us to reveal potential historical and geographical patterns in scientific research.

# Nobel Ontology



# Problems

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- Prize share
- Used only a portion of the papers dataset
- Researchers and Nobel laureates matching

# Blocks of Highlighted Text

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In this slide, some important text will be **highlighted** because it's important. Please, don't abuse it.

## Block

Sample text

## Alertblock

Sample text in red box

## Examples

Sample text in green box. The title of the block is "Examples".

# Multiple Columns

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## Heading

1. Statement
2. Explanation
3. Example

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

# Relationship between Nobel Prize winning ideas and published studies

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Table: Number of papers per Nobel topic in 2004

Nobel topic	Nobel Prize	Number of papers
protein	Chemistry 2004	28
development	Peace 2004	13
flow	Literature 2004	8
interaction	Physics 2004	4
discovery	Chemistry 2004	3
discovery	Physics 2004	3
degradation	Chemistry 2004	3
asymptotic	Physics 2004	2
forces	Economics 2004	1
cycles	Economics 2004	1
olfactory	Medicine 2004	1
organization	Medicine 2004	1

The topic “protein” appeared in 28 papers. The high number of papers mentioning this Nobel topic suggests that it was widely discussed or relevant in 2004.



# Most active research areas in a year

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**Table:** Number of papers for each journal subcategory in 2004

Journal Subcategory	Number of papers
Biochemistry Genetics Molecular Biology	418
Social Sciences	344
Decision Sciences	125
Arts Humanities	74
Business Management Accounting	68
Physics Astronomy	65
Neuroscience	55
Health Professions	34
Psychology	27
Earth Planetary Sciences	22
Economics Econometrics Finance	14
Materials Science	12
Environmental Science	12
Agricultural Biological Sciences	10
Energy	2
Pharmacology Toxicology Pharmaceuticals	2

Molecular biology was the most active research area in 2004.

## Query 3

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Uncomment the code on this slide to include your own image from the same directory as the template .TeX file.

# Questions?