



**POLITECNICO**  
MILANO 1863

# Projects

Data Analytics for Smart Agriculture  
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1. Choose an approach to Data Strategy (starting from Data of from the Use Case)
2. Find a sample of data
3. Define a result you would like to obtain
4. Define the technical tool usefuls with that data and that objective
5. Structure the Data Strategy Framework you are applying
6. Present your work during the “lessons” devoted to “project clinic”
7. Present your work in one of the available sessions

1. Choose an approach to Data Strategy (starting from Data of from the Use Case)

Areas of application and types of data

## Data valorization life cycle



RESEARCH AND MINING



REFINING



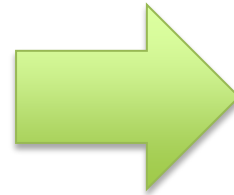
USE

# Steps

- 1.
2. Find a sample of data:
  - a. Friendly companies (you can offer yourself !!! You are a value!!!)
    - where you would like to go to work
    - where you had a past internship experience
    - relatives
    - ... lateral thinking!!!
  - b. Open data
    - Public administrations
    - International organizations
    - Foundations
    - ...

# Steps

1. ...
2. ...
3. Define a result you would like to obtain:
  1. forecast something
  2. recognize something
  3. detect something
  4. spot some anomaly
  5. ...
  - 6.



**To obtain  
a business benefit**

- 1.
- ...
4. Define the technical tool useful with that data and that objective
  - propose to your technical professor:
    - the data set you would like to use
    - the technical tool you would like to use
    - the technical paradigm you want to apply:
      - classification
      - regression
      - clustering
  - perform some preliminary explorative data analysis

- 1.
- ...
5. Structure the Data Strategy Framework you are applying/might apply:
  - a. type of approach to the data life cycle
  - b. area of application
  - c. benefit obtained
  - d. type of data
  - e. data valorization (evaluation of the benefits generated by the data)
  - f. ...

- 1.
- ...
6. Present your work during the “lessons” devoted to “project clinic”
  - a. it’s informal
  - b. YOU decide what’s worth to discuss with the teachers
  - c. we MUST interact with you face to face  
(no interaction = the project doesn’t exist)



- 1.
- ....
7. Present your work in this session:

Friday 20<sup>th</sup> of December 2023, starting from 2.30pm

*(if needed, other options in January will be provided)*

- no more than 15 slides
- 20 minutes
- all the students must present something
- balance technical and business aspects

# Start!