

A decorative graphic on the left side of the slide, consisting of a network of orange lines and circles that resemble a circuit board or a neural network. The lines are of varying thickness and connect to small circles at various points, creating a complex, branching pattern that extends from the top left towards the bottom left.

BARCELONA

PROJECT WEEK 2 - Erwan & Carles



WHERE IS LOVE?
WHERE IS LOVE
FROM?

QUESTIONS & HYPOTHESIS

- ▶ Question 1: What are the top3 spoken languages in Barcelona?
- ▶ Question 2: Where is Chinatown in Barcelona?
- ▶ Question 3: If you want to meet the love of your life, where should you go according to your gender preferences?

An abstract graphic on the left side of the slide, consisting of white lines and circles on a dark red background, resembling a circuit board or data flow diagram.

DATASET


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DATASET

Official population's
nationality classified
by genre of the city
of Barcelona

Source: INE - 2019



DATA PROBLEMS AND LIMITATIONS



DATA - PROBLEMS AND LIMITATIONS

- No detail description of the columns where available
- Dataset language → translation needed
- No NaNs

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ANSWERS TO THE QUESTIONS

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TEXTE

ANSWERS TO THE QUESTIONS

- ▶ Question 1: What are the top 3 spoken languages in Barcelona?

QUESTION 1

Nationality	
Spain	1.316.380
Italy	34.287
China	21.327
Pakistan	20.437
Name: Residents_numb, dtype: int64	



ANSWERS TO THE QUESTIONS

- ▶ Question 2: Where is Chinatown in Barcelona?

QUESTION 2

District_Name	
Eixample	5.897
Sant Martí	4.205
Sants-Montjuïc	2.900
Sant Andreu	1.968
Nou Barris	1.765
Horta-Guinardó	1.128
Gràcia	968
Ciutat Vella	868
Les Corts	861
Sarrià-Sant Gervasi	767
Name: Residents_numb, dtype: int64	



ANSWERS TO THE QUESTIONS

- ▶ Question 3: If you want to meet the love of your life, where should you go according to your sex preferences?

QUESTION 3

Gender	District_Name	
Female	Gràcia	54.24%
	Sarrià – Sant Gervasi	53.99%
Male	Ciutat Vella	52.53%
	Sant Martí	47.99%
Name: Residents_numb, dtype: int64		



ANSWERS TO THE QUESTIONS

- ▶ BONUS QUESTION: Where should I go if I like Chinese girls?

BONUS QUESTION

District - Gender	%
Eixample_Female	7.67
Sant Martí_Female	6.87
Eixample_Male	6.69
Sant Martí_Male	6.34
Percentage shown above base is the total population of Barcelona: 1.636.762	

7.67% of the population
in Barcelona is Chinese,
is woman, and lives in
Eixample!



LEARNINGS

LEARNINGS

- DataSet Managing
- DataSet Workflow
- Team work



THANK YOU
MERCI BEAUCOUP
GRACIAS
GRÀCIES