

(semantic)WikiQuiz

Using the semantic web to
automatically generate trivia
questions

Data

We use wikipedia and dbpedia (semantic version of wikipedia) to get our data



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Italy

From Wikipedia, the free encyclopedia

"Italia" redirects here. For other uses, see Italia (disambiguation).

This article is about the republic. For other uses, see Italy (disambiguation).

Italy ⁱ/ˈɪtəli/ (Italian: *Italia* [iˈtaːlja]), officially the **Italian Republic** (Italian: *Repubblica italiana*^[note 1]), is a unitary parliamentary republic in south-central Europe. To the north, it borders France, Switzerland, Austria and Slovenia along the Alps. To the south, it consists of the entirety of the Italian Peninsula, Sicily, Sardinia—the two largest islands in the Mediterranean Sea—and many other smaller islands. The independent states of San Marino and the Vatican City are enclaves within Italy, while Campione d'Italia is an Italian exclave in Switzerland. The territory of Italy covers some 301,338 km² (116,347 sq mi) and is influenced by a temperate seasonal climate. With 60.6 million inhabitants, it is the fifth most populous country in Europe, and the 23rd most populous in the world.

Rome, the capital of Italy, was for centuries a political and religious centre of Western civilisation as the capital of the Roman Empire and site of the Holy See. After the decline of the Roman Empire, Italy endured numerous invasions by foreign peoples, from Germanic tribes such as the Lombards and Ostrogoths, to the Byzantines and later, the Normans, among others. Centuries later, Italy became the birthplace of Maritime republics and the Renaissance,^[7] an immensely fruitful intellectual movement that would prove to be integral in shaping the subsequent course of European thought.

Through much of its post-Roman history, Italy was fragmented into numerous city and regional states (such as the Republic of Venice and the Church State), but was unified in 1861,^[8] following a tumultuous period in history known as "*Il Risorgimento*" ("The Resurgence"). In the late 19th century, through World War I, and to World War II, Italy possessed a colonial empire, which extended its rule to Libya, Eritrea, most of Somalia, Ethiopia, Albania, the Dodecanese and a concession in Tianjin, China.^[9]

Modern Italy is a democratic republic. It has been ranked as the world's 24th most-developed country^[5] and its Quality-of-life index has been ranked in the world's top ten in 2005.^[10] Italy enjoys a very high standard of living, and has a high GDP per capita.^{[11][12]} It is a founding member of what is now the European Union and part of the Eurozone. Italy is also a member of the G8, G20 and NATO. It has the world's third-largest gold reserves, eighth-largest nominal GDP, tenth highest GDP (PPP)^[13] and the sixth highest government budget in the world.^[14] It is also a member state of the Organisation for Economic Co-operation and Development, the World Trade Organization, the Council of Europe, the Western European Union and the United Nations. Italy has the world's ninth-largest defence budget and shares NATO's nuclear weapons.

Italy plays a prominent role in European and global military, cultural and diplomatic affairs. The country's European political,

Italian Republic
Repubblica italiana



Flag



Emblem

Anthem: *Il Canto degli Italiani*
The Song of the Italians



About: Italy



An Entity of Type : [populated place](#), from Named Graph : <http://dbpedia.org>, within Data Space : [dbpedia.org](#)

Italy, officially the Italian Republic, is a unitary parliamentary republic in south-central Europe. To the north it borders France, Switzerland, Austria and Slovenia along the Alps. To the south it consists of the entirety of the Italian Peninsula, Sicily, Sardinia—the two largest islands in the Mediterranean Sea—and many other smaller islands. The independent states of San Marino and the Vatican City are enclaves within Italy, whilst Campione d'Italia is an Italian exclave in Switzerland.

Property	Value
dbpedia-owl:PopulatedPlace/areaTotal	<ul style="list-style-type: none"> 301334.7566851523 301338.0
dbpedia-owl:PopulatedPlace/populationDensity	<ul style="list-style-type: none"> 201.2364450323228 201.2
dbpedia-owl:abstract	<ul style="list-style-type: none"> Italy, officially the Italian Republic, is a unitary parliamentary republic in south-central Europe. To the north it borders France, Switzerland, Austria and Slovenia along the Alps. To the south it consists of the entirety of the Italian Peninsula, Sicily, Sardinia—the two largest islands in the Mediterranean Sea—and many other smaller islands. The independent states of San Marino and the Vatican City are enclaves within Italy, whilst Campione d'Italia is an Italian exclave in Switzerland. The territory of Italy covers some 301,338 km (116,347 sq mi) and is influenced by a temperate seasonal climate. With 60.6 million inhabitants, it is the fifth most populous country in Europe, and the 23rd most populous in the world. Rome, the capital of Italy, was for centuries the political centre of Western civilisation as the capital of the Roman Empire. After its decline, Italy endured numerous invasions by foreign peoples, from Germanic tribes such as the Lombards and Ostrogoths, to the Byzantines and later, the Normans, among others. Centuries later, Italy became the birthplace of the Renaissance, an immensely fruitful intellectual movement that would prove to be integral in shaping the subsequent course of European thought. Through much of its post-Roman history, Italy was fragmented into numerous kingdoms and city-states, but was unified in 1861, following a tumultuous period in history known as "Il Risorgimento" ("The Resurgence"). In the late 19th century, through World War I, and to World War II, Italy possessed a colonial empire, which extended its rule to Libya, Eritrea, Somalia, Ethiopia, Albania, the Dodecanese and a concession in Tianjin, China. Modern Italy is a democratic republic. It has been ranked the world's twenty-third most-developed country and its Quality-of-life index has been ranked in the top ten in the world. Italy enjoys a very high standard of living, and has a high nominal GDP per capita. It is a founding member of what is now the European Union and part of the Eurozone. Italy is also a member of the G8, G20 and NATO. It has the world's eighth-largest nominal GDP, tenth highest GDP (PPP) and the sixth highest government budget in the world. It is also a member state of the Organisation for Economic Co-operation and Development, the World Trade Organization, the Council of Europe, the Western European Union and the United Nations. Italy has the world's ninth-largest defence budget and shares NATO's nuclear weapons. Italy plays a prominent role in European and global military, cultural and diplomatic affairs. The country's European political, social and economic influence make it a major regional power. The country has a high public education level and is a highly globalised nation. Italien ist eine Republik in Europa, die zum größten Teil auf der vom Mittelmeer umschlossenen Apenninhalbinsel liegt. Ihre Hauptstadt ist Rom. Das Gebiet des heutigen Italiens war in der Antike die Kernregion des Römischen Reiches mit Rom als Hauptstadt. Die heute italienische Toskana war das Kernland der Renaissance. Seit dem Risorgimento besteht der moderne italienische Staat. Italia, oficialmente la República Italiana (Repubblica italiana en italiano), es un país de Europa que forma parte de la Unión

Data available

- The DBpedia knowledge base currently describes more than 3.64 million things, out of which 1.83 million are classified in a consistent Ontology, including 416,000 persons, **526,000 places**, 106,000 music albums, 60,000 films, 17,500 video games, 169,000 organisations, **183,000 species** and 5,400 diseases.
- The DBpedia data set features labels and abstracts for these 3.64 million things in up to **97 different languages**;
- 2,724,000 links to images and 6,300,000 links to external web pages;
- 6,200,000 external links into other RDF datasets, 740,000 Wikipedia categories, and 2,900,000 YAGO categories.

Topics

- Geography
- History
- Science
- Movies
- Music
- Videogames
- Etc...

Questions

- What is the [x] of [y]?
 - Where y is a wikipedia entry and x is an attribute of that page
 - Example: What is the [capital/population] of [country]?

Questions

- Guess [x] (from [y])
 - Where x is page and y is an attribute of that page
 - Example: Guess the country from the thumbnail/flag image
 - Example: Guess the country from the national anthem
 - Not implemented in the prototype
- Many more...

Demo

What is the population of Palau

What is the capital of Palau

What is the population of Nauru

What is the capital of Nauru

What is the population of Northern Mariana Islands

What is the capital of Northern Mariana Islands

What is the population of American Samoa

What is the capital of American Samoa

What is the capital of Norway

What is the population of Monaco

What is the capital of Monaco

What is the population of Norway

What is the population of Liechtenstein

What is the capital of Liechtenstein

What is the capital of Norway

Chambéry

Oslo

Hagåtña, Guam

Rome

What is the capital of Norway

Rome is the wrong answer!
The correct answer is Oslo.

[select next question...](#)

Pitfalls using dbpedia

- Need to use extra care when selecting data sets, especially lists
 - Example: list of countries had items like Roman Empire, etc..
 - Used populationEstimate and other fields to make sure is still a valid country

Making it fun

- Add traditional game mechanics like score and time
- Add ability to share trivia sets with friends. Also share and compare results
- Let kids generate their own trivia question sets
- Improve heuristic for wrong answers to control difficulty level
- Improve presentation :)