

Universidad de San Carlos de Guatemala

Facultad de Ingeniería

Escuela de Ciencias y Sistemas

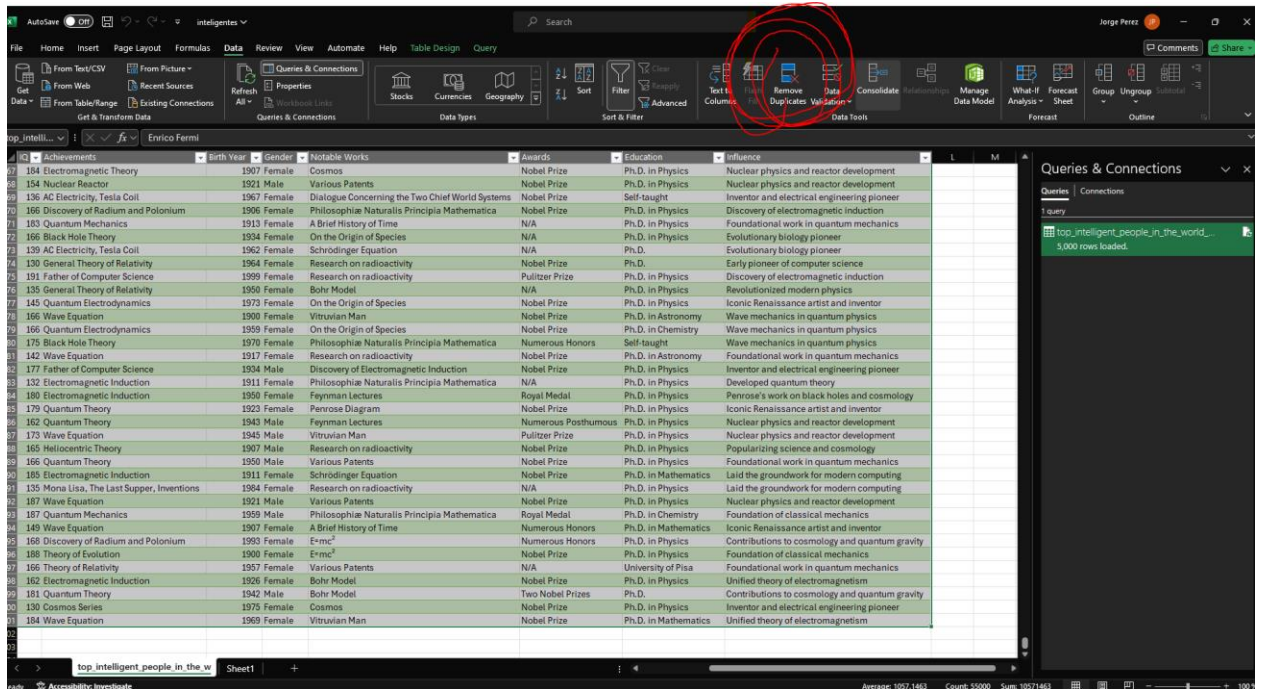
Laboratorio de Seminario de Sistemas

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# Tarea 1

Dataset: **Top Intelligent People in the World** 🌐🧠

1. Se descargó el archivo .zip del dataset para las 500 personas más inteligentes del mundo.
2. Se descomprimió el archivo para obtener un archivo top\_intelligent\_people\_in\_the\_world\_5000 en formato CSV.
3. Eliminación de duplicados: Se seleccionó toda la tabla y se quitaron todos los duplicados encontrados en ella:



IQ	Achievements	Birth Year	Gender	Notable Works	Awards	Education	Influence
184	Electromagnetic Theory	1907	Female	Cosmos	Nobel Prize	Ph.D. in Physics	Nuclear physics and reactor development
154	Nuclear Reactor	1921	Male	Various Patents	Nobel Prize	Ph.D. in Physics	Nuclear physics and reactor development
136	AC Electricity, Tesla Coil	1867	Female	Dialogue Concerning the Two Chief World Systems	Nobel Prize	Self-taught	Inventor and electrical engineering pioneer
196	Discovery of Radium and Polonium	1906	Female	Philosophiae Naturalis Principia Mathematica	Nobel Prize	Ph.D. in Physics	Discovery of electromagnetic induction
183	Quantum Mechanics	1913	Female	A Brief History of Time	N/A	Ph.D. in Physics	Foundational work in quantum mechanics
166	Black Hole Theory	1934	Female	On the Origin of Species	N/A	Ph.D. in Physics	Evolutionary biology pioneer
139	AC Electricity, Tesla Coil	1962	Female	Schrodinger Equation	N/A	Ph.D.	Evolutionary biology pioneer
130	General Theory of Relativity	1964	Female	Research on radioactivity	Nobel Prize	Ph.D.	Early pioneer of computer science
191	Father of Computer Science	1959	Female	Research on radioactivity	Pulitzer Prize	Ph.D. in Physics	Discovery of electromagnetic induction
135	General Theory of Relativity	1950	Female	Bohr Model	N/A	Ph.D. in Physics	Revolutionized modern physics
145	Quantum Electrodynamics	1973	Female	On the Origin of Species	Nobel Prize	Ph.D. in Physics	Iconic Renaissance artist and inventor
166	Wave Equation	1900	Female	Vitruvian Man	Nobel Prize	Ph.D. in Astronomy	Wave mechanics in quantum physics
166	Quantum Electrodynamics	1959	Female	On the Origin of Species	Nobel Prize	Ph.D. in Chemistry	Wave mechanics in quantum physics
175	Black Hole Theory	1976	Female	Philosophiae Naturalis Principia Mathematica	Numerous Honors	Self-taught	Wave mechanics in quantum physics
142	Wave Equation	1917	Female	Research on radioactivity	Nobel Prize	Ph.D. in Astronomy	Foundational work in quantum mechanics
177	Father of Computer Science	1934	Male	Discovery of Electromagnetic Induction	Nobel Prize	Ph.D. in Physics	Inventor and electrical engineering pioneer
132	Electromagnetic Induction	1911	Female	Philosophiae Naturalis Principia Mathematica	N/A	Ph.D. in Physics	Developed quantum theory
180	Electromagnetic Induction	1950	Female	Feynman Lectures	Royal Medal	Ph.D. in Physics	Penrose's work on black holes and cosmology
179	Quantum Theory	1923	Female	Penrose Diagram	Nobel Prize	Ph.D. in Physics	Iconic Renaissance artist and inventor
162	Quantum Theory	1943	Male	Feynman Lectures	Numerous Posthumous	Ph.D. in Physics	Nuclear physics and reactor development
173	Wave Equation	1945	Male	Vitruvian Man	Pulitzer Prize	Ph.D. in Physics	Nuclear physics and reactor development
165	Heliocentric Theory	1907	Male	Research on radioactivity	Nobel Prize	Ph.D. in Physics	Popularizing science and cosmology
166	Quantum Theory	1950	Male	Various Patents	Nobel Prize	Ph.D. in Physics	Foundational work in quantum mechanics
180	Electromagnetic Induction	1911	Female	Schrodinger Equation	Nobel Prize	Ph.D. in Mathematics	Laid the groundwork for modern computing
135	Mona Lisa, The Last Supper, Inventions	1964	Female	Research on radioactivity	N/A	Ph.D. in Physics	Laid the groundwork for modern computing
187	Wave Equation	1921	Male	Various Patents	Nobel Prize	Ph.D. in Physics	Nuclear physics and reactor development
187	Quantum Mechanics	1959	Male	Philosophiae Naturalis Principia Mathematica	Royal Medal	Ph.D. in Chemistry	Foundation of classical mechanics
143	Wave Equation	1907	Female	A Brief History of Time	Numerous Honors	Ph.D. in Mathematics	Iconic Renaissance artist and inventor
166	Discovery of Radium and Polonium	1993	Female	Ernmc <sup>2</sup>	Numerous Honors	Ph.D. in Physics	Contributions to cosmology and quantum gravity
168	Theory of Evolution	1900	Female	Ernmc <sup>2</sup>	Nobel Prize	Ph.D. in Physics	Foundation of classical mechanics
166	Theory of Relativity	1957	Female	Various Patents	N/A	University of Pisa	Foundational work in quantum mechanics
162	Electromagnetic Induction	1926	Female	Bohr Model	Nobel Prize	Ph.D. in Physics	Unified theory of electromagnetism
181	Quantum Theory	1942	Male	Bohr Model	Two Nobel Prizes	Ph.D. in Physics	Contributions to cosmology and quantum gravity
130	Cosmos Series	1975	Female	Cosmos	Nobel Prize	Ph.D. in Physics	Inventor and electrical engineering pioneer
184	Wave Equation	1969	Female	Vitruvian Man	Nobel Prize	Ph.D. in Mathematics	Unified theory of electromagnetism

4. Se estandarizó que los géneros siempre empiecen con mayúscula.

	Name	Country	Field of Expertise	IQ	Achievements	Birth Year	Gender	Notable Works	Awards	Education	Influence
1	Enrico Fermi	Austria	Polymath	199	Father of Computer Science	1968	female	Ernmc <sup>2</sup>	Numerous Posthumous	Self-taught	Popularizing scie
2	Max Planck	Italy	Chemistry	159	Theory of Evolution	1986	Female	Bohr Model	Nobel Prize	Ph.D. in Astronomy	Foundational wo
3	Paul Dirac	UK	Physics	177	Quantum Mechanics	1927	Female	Cosmos	Nobel Prize	Ph.D. in Mathematics	Foundation of cl
4	Erwin Schrödinger	Italy	Physics	130	Electromagnetic Induction	1921	Female	Discovery of Electromagnetic Induction	Nobel Prize	University of Cambridge	Iconic Renaissar
5	Paul Dirac	UK	Physics	163	Wave Equation	1964	Female	On Computable Numbers	Nobel Prize	Ph.D. (honorary)	Foundational wo
6	Stephen Hawking	USA	Astronomy	191	Quantum Theory	1990	Male	Various Patents	Nobel Prize	Ph.D. (honorary)	Foundational wo

5. Se creó una tabla separada para indicar países

A	B
ID	Country
1	Austria
2	Denmark
3	France
4	Germany
5	Italy
6	UK
7	USA

6. Se creó una tabla para registrar las materias del experto

A	B	C
ID	Field	
1	Astronomy	
2	Biology	
3	Chemistry	
4	Engineering	
5	Mathematics	
6	Physics	
7	Polymath	