

Forbes Billionaire List: SQL Data Exploration

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Q.1) Give a list of top 10 billionaires from USA.

```
SELECT name, net_worth, industry
FROM [dbo].[ForbesBillionairesCSV]
WHERE Citizenship='United States'
ORDER BY net_worth DESC
OFFSET 0 ROWS
FETCH NEXT 10 ROWS ONLY;
```

	name	net_worth	industry
1	Elon Musk	180	Automotive
2	Jeff Bezos	114	Technology
3	Larry Ellison	107	Technology
4	Warren Buffett	106	Finance & Investments
5	Bill Gates	104	Technology
6	Michael Bloomberg	94.5	Media & Entertainment
7	Steve Ballmer	80.6999969482422	Technology
8	Larry Page	79.1999969482422	Technology
9	Sergey Brin	76	Technology
10	Mark Zuckerberg	64.4000015258789	Technology

Q.2) Give a list of top 20 billionaires from India and China.

```
SELECT name, net_worth, industry AS Industry, Citizenship  
FROM [dbo].[ForbesBillionairesCSV]  
WHERE Citizenship IN ('India', 'China')
```

```
ORDER BY net_worth DESC  
OFFSET 0 ROWS  
FETCH NEXT 20 ROWS ONLY;
```

	name	net_worth	Industry	Citizenship
1	Mukesh Ambani	83.4000015258789	Diversified	India
2	Zhong Shanshan	68	Food & Beverage	China
3	Gautam Adani	47.2000007629395	Diversified	India
4	Zhang Yiming	45	Technology	China
5	Ma Huateng	35.2999992370605	Technology	China
6	Colin Zheng Huang	30.2000007629395	Technology	China
7	William Ding	26.7000007629395	Technology	China
8	Shiv Nadar	25.6000003814697	Technology	India
9	Jack Ma	23.5	Technology	China
10	He Xiangjian & family	23.3999996185303	Manufacturing	China
11	Cyrus Poonawalla	22.6000003814697	Healthcare	India
12	Wang Wei	21.2000007629395	Service	China
13	Wang Wenyin	19	Metals & Mining	China
14	Li Eric	19	Automotive	China
15	Qin Yinglin	18.8999996185303	Food & Beverage	China
16	Wang Chuanfu	18.7000007629395	Automotive	China
17	Lakshmi Mittal	17.7000007629395	Metals & Mining	India
18	Savitri Jindal & family	17.5	Metals & Mining	India
19	Pang Kang	15.8999996185303	Food & Beverage	China
20	Dilip Shanghvi	15.6000003814697	Healthcare	India

Q.3) Show the top 10 oldest billionaires and their residence.

```
SELECT name, age AS Age, Residence, net_worth, industry AS  
Industry  
FROM [dbo].[ForbesBillionairesCSV]  
  
ORDER BY age DESC  
OFFSET 0 ROWS  
FETCH NEXT 10 ROWS ONLY;
```

	name	Age	Residence	net_worth	Industry
1	George Joseph	101	Los Angeles, California	1.29999995231628	Finance & Investments
2	Robert Kuok	99	Hong Kong, Hong Kong	11.8000001907349	Diversified
3	David Murdock	99	Ventura, California	2.29999995231628	Food & Beverage
4	Charles Munger	99	Los Angeles, California	2.20000004768372	Finance & Investments
5	S. Daniel Abraham	98	Palm Beach, Florida	2.5	Food & Beverage
6	Ana Maria Brescia Cafferata	98	Lima, Peru	1	Diversified
7	Stephen Jarislowsky	97	Montreal, Canada	1.5	Finance & Investments
8	John Farber	97	New York, New York	1.39999997615814	Manufacturing
9	Bernard Lewis & family	97	London, United Kingd...	1.39999997615814	Fashion & Retail
10	Nobutoshi Shimamura	97	Saitama, Japan	1.39999997615814	Fashion & Retail

Q.4) Show the top 10 youngest billionaires and how many of them are single OR married?

(For data fix)

UPDATE [dbo].[ForbesBillionairesCSV]

SET Marital_Status = 'Single'

Where name IN ('Clemente Del Vecchio', 'Kevin David Lehmann', 'Luca Del Vecchio')

SET Marital_Status = 'Married'

Where name IN ('Ben Francis', 'Jonathan Kwok')

(code)

SELECT name, age AS Age, Marital_Status, net_worth, industry AS Industry

FROM [dbo].[ForbesBillionairesCSV]

WHERE age IS NOT NULL

ORDER BY age ASC

OFFSET 0 ROWS

FETCH NEXT 15 ROWS ONLY;

	name	Age	Marital_Status	net_worth	Industry
1	Clemente Del Vecchio	18	Single	3.5	Fashion & Retail
2	Kim Jung-youn	19	Single	1.70000004768372	Media & Entertainment
3	Kevin David Lehmann	20	Single	2.29999995231628	Fashion & Retail
4	Luca Del Vecchio	21	Single	3.5	Fashion & Retail
5	Kim Jung-min	21	Single	1.70000004768372	Media & Entertainment
6	Alexandra Andresen	26	Single	1.5	Diversified
7	Wang Zelong	26	Married	1.39999997615814	Metals & Mining
8	Katharina Andresen	27	Single	1.5	Diversified
9	Ryan Breslow	28	Single	1.10000002384186	Technology
10	Gustav Magnar Witz...	29	Single	2.70000004768372	Food & Beverage
11	Mark Mateschitz	30	Single	34.7000007629395	Food & Beverage
12	Michal Strnad	30	Married	2	Manufacturing
13	Palmer Luckey	30	Single	1.70000004768372	Technology
14	Ben Francis	30	Married	1.20000004768372	Fashion & Retail
15	Jonathan Kwok	31	Married	2.70000004768372	Real Estate

For count:

```
SELECT Marital_Status, COUNT(*) AS frequency
FROM (
    SELECT name, age AS Age, Marital_Status, net_worth, industry
    AS Industry
    FROM [dbo].[ForbesBillionairesCSV]
    WHERE age IS NOT NULL
    ORDER BY age ASC
    OFFSET 0 ROWS
    FETCH NEXT 15 ROWS ONLY
) AS SubqueryAlias -- Add an alias for the subquery
GROUP BY Marital_Status;
```

	Marital_Status	frequency
1	Married	4
2	Single	11

Q.5) How many top 50 billionaires in the world are self-made?

```
SELECT name, age AS Age,  
CASE  
    WHEN Self_Made = 1 THEN 'YES'  
    WHEN Self_Made = 0 THEN 'NO'  
    ELSE 'UNDEFINED'  
END AS Self_Made,  
industry AS Industry  
FROM [dbo].[ForbesBillionairesCSV]  
WHERE age IS NOT NULL  
ORDER BY Rank ASC  
OFFSET 0 ROWS  
FETCH NEXT 50 ROWS ONLY;
```

	name	Age	Self_Made	Industry
1	Bernard Arnault & family	74	NO	Fashion & Retail
2	Elon Musk	51	YES	Automotive
3	Jeff Bezos	59	YES	Technology
4	Larry Ellison	78	YES	Technology
5	Warren Buffett	92	YES	Finance & Investments
6	Bill Gates	67	YES	Technology
7	Michael Bloomberg	81	YES	Media & Entertainment
8	Carlos Slim Helu & fa...	83	YES	Telecom
9	Mukesh Ambani	65	NO	Diversified
10	Steve Ballmer	67	YES	Technology
11	Francoise Bettencourt...	69	NO	Fashion & Retail
12	Larry Page	50	YES	Technology
13	Amancio Ortega	87	YES	Fashion & Retail
14	Sergey Brin	49	YES	Technology
15	Zhong Shanshan	68	YES	Food & Beverage
16	Mark Zuckerberg	38	YES	Technology
17	Charles Koch	87	NO	Diversified
18	Julia Koch & family	60	NO	Diversified
19	Jim Walton	74	NO	Fashion & Retail
20	Rob Walton	78	NO	Fashion & Retail

21	Alice Walton	73	NO	Fashion & Retail
22	David Thomson & family	65	NO	Media & Entertainment
23	Michael Dell	58	YES	Technology
24	Gautam Adani	60	YES	Diversified
25	Phil Knight & family	85	YES	Fashion & Retail
26	Zhang Yiming	39	YES	Technology
27	Dieter Schwarz	83	NO	Fashion & Retail
28	François Pinault & family	86	YES	Fashion & Retail
29	Klaus-Michael Kuehne	85	NO	Logistics
30	Giovanni Ferrero	58	NO	Food & Beverage
31	Jacqueline Mars	83	NO	Food & Beverage
32	John Mars	87	NO	Food & Beverage
33	Li Ka-shing	94	YES	Diversified
34	Ma Huateng	51	YES	Technology
35	Miriam Adelson & family	77	NO	Gambling & Casinos
36	Ken Griffin	54	YES	Finance & Investments
37	Mark Mateschitz	30	NO	Food & Beverage
38	Robin Zeng	54	YES	Automotive

39	Tadashi Yanai & family	74	YES	Fashion & Retail
40	Len Blavatnik	65	YES	Diversified
41	Alain Wertheimer	74	NO	Fashion & Retail
42	Gerard Wertheimer	72	NO	Fashion & Retail
43	Gianluigi Aponte	82	YES	Logistics
44	Rafaela Aponte-Diam...	78	YES	Logistics
45	Colin Zheng Huang	43	YES	Technology
46	Reinhold Wuerth & fa...	87	YES	Manufacturing
47	Lee Shau Kee	95	YES	Real Estate
48	Jeff Yass	64	YES	Finance & Investments
49	Jim Simons	84	YES	Finance & Investments
50	Stephen Schwarzman	76	YES	Finance & Investments

For count:

```
SELECT Self_Made,  
COUNT(*) AS Frequency  
FROM (  
    SELECT  
        CASE  
            WHEN Self_Made = 1 THEN 'YES'  
            WHEN Self_Made = 0 THEN 'NO'  
            ELSE 'UNDEFINED'  
        END AS Self_Made  
    FROM [dbo].[ForbesBillionairesCSV]  
    WHERE age IS NOT NULL  
    ORDER BY Rank ASC  
    OFFSET 0 ROWS  
    FETCH NEXT 50 ROWS ONLY  
) AS SubqueryAlias  
GROUP BY Self_Made;
```

	Self_Made	Frequency
1	NO	18
2	YES	32

Q.6) How many billionaires above age 50 are dropouts.

```
SELECT
CASE
    WHEN drop_out = 1 THEN 'YES'
    WHEN drop_out = 0 THEN 'NO'
    ELSE 'UNDEFINED'
END AS drop_out,
COUNT(*) AS Frequency
FROM (
    SELECT name, age AS Age, drop_out
    FROM [dbo].[ForbesBillionairesCSV]
    WHERE age IS NOT NULL AND age > 50
) AS SubqueryAlias
GROUP BY drop_out;
```

	drop_out	Frequency
1	NO	1161
2	YES	68
3	UNDEFINED	1021

Q.7) Find all the billionaires from India whose age is equal to the average age of billionaires in the dataset.

```
SELECT AVG(age) AS AverageAge
FROM [dbo].[ForbesBillionairesCSV];
```

	AverageAge
1	65

```
SELECT
    name,
    age,
    net_worth,
    country
FROM [dbo].[ForbesBillionairesCSV] AS b
WHERE country = 'India' AND age = (
    SELECT AVG(age)
    FROM [dbo].[ForbesBillionairesCSV]);
```

	name	age	net_worth	country
1	Mukesh Ambani	65	83.4000015258789	India
2	Sunil Mittal	65	6.099999990463257	India
3	Gopikishan Damani	65	6	India
4	Leena Tewari	65	3.40000009536743	India
5	Sunny Varkey	65	3	India
6	Arvind Poddar	65	2.90000009536743	India
7	Harsh Goenka	65	2.099999990463257	India
8	Nimal Minda	65	2.099999990463257	India
9	P.P. Reddy	65	2.099999990463257	India
10	Ajay Parekh	65	1.89999997615814	India
11	M.Satyanarayana...	65	1.39999997615814	India
12	P.V. Ramprasad ...	65	1.29999995231628	India
13	Kailashchandra N...	65	1.20000004768372	India

Q.8) What is the most common industry in the dataset.

```
SELECT industry,  
COUNT(*) AS Frequency  
FROM [dbo].[ForbesBillionairesCSV]  
GROUP BY industry;
```

	industry	Frequency
1	Fashion & Retail	265
2	Finance & Investments	372
3	Healthcare	201
4	Logistics	40
5	Telecom	31
6	Metals & Mining	74
7	Construction & Engin...	45
8	Manufacturing	324
9	Real Estate	193
10	Food & Beverage	212
11	Media & Entertainment	91
12	Energy	100
13	Automotive	73
14	Diversified	186
15	Sports	39
16	Gambling & Casinos	25
17	Technology	314
18	Service	53

Q.9) Give a list of all the billionaires above the age of 70 who attended Harvard University along with their industry.

SELECT name, Education, age, industry
FROM [dbo].[ForbesBillionairesCSV]
WHERE Education LIKE '%Harvard%'
 and age>70 AND NOT drop_out=1;

	name	Education	age	industry
1	Michael Bloomberg	Master of Business Administration, Harvard Business School; Bachelor of Arts/Science, Johns Hopkins University	81	Media & Entertainment
2	Stephen Schwarzman	Master of Business Administration, Harvard Business School; Bachelor of Arts/Science, Yale University	76	Finance & Investments
3	Ray Dalio	Master of Business Administration, Harvard Business School; Bachelor of Arts/Science, Long Island University	73	Finance & Investments
4	Jorge Paulo Lemann &f...	Bachelor of Arts/Science, Harvard University	83	Food & Beverage
5	George Kaiser	Bachelor of Arts/Science, Harvard University; Master of Business Administration, Harvard University	80	Energy
6	Robert Kraft	Bachelor of Arts/Science, Columbia University; Master of Business Administration, Harvard Business School	81	Sports
7	John Doerr	Master of Business Administration, Harvard University; Bachelor of Arts/Science, Rice University; Master of Science, Rice University	71	Technology
8	Leon Black	Bachelor of Arts/Science, Dartmouth College; Master of Business Administration, Harvard University	71	Finance & Investments
9	Jack Dargemond	Bachelor of Arts/Science, California State Polytechnical University; Master of Science, Harvard University; Master of Science, University of Minnesota	77	Technology
10	Bruce Kovner	Bachelor of Arts/Science, Harvard University	78	Finance & Investments
11	David Bonderman	Doctor of Jurisprudence, Harvard University; Bachelor of Arts/Science, University of Washington	80	Finance & Investments
12	Gustaf Douglas	Master of Business Administration, Harvard University	85	Diversified
13	Paul Singer	Doctor of Jurisprudence, Harvard University; Bachelor of Arts/Science, University of Rochester	78	Finance & Investments
14	Ananda Krishnan	Master of Business Administration, Harvard University; Bachelor of Arts/Science, Melbourne University	85	Telecom
15	Hansjörg Wyss	Master of Business Administration, Harvard University; Master of Science, Swiss Federal Institute of Technology	88	Healthcare
16	Bernard Broemmann	Master of Business Administration, Harvard University	79	Healthcare
17	E. Joe Shoen	Bachelor of Arts/Science, College of the Holy Cross; Master of Business Administration, Harvard Business School	73	Automotive
18	William Bockley	Master of Business Administration, Harvard University; Bachelor of Arts/Science, New York University	76	Finance & Investments
19	Samuel Tak Lee	Master of Business Administration, Harvard Business School; Bachelor of Arts/Science, Massachusetts Institute of Technology	83	Real Estate
20	Daniel D'Amelio	Master of Business Administration, Harvard University; Bachelor of Arts/Science, Syracuse University	76	Finance & Investments
21	Amos Hostetter, Jr.	Bachelor of Arts/Science, Amherst College; Master of Business Administration, Harvard University	86	Media & Entertainment
22	Hamilton James & family	Bachelor of Arts/Science, Harvard University; Master of Business Administration, Harvard University	71	Finance & Investments
23	Sebastian Pflera & family	Doctorate, Harvard University	73	Finance & Investments
24	Nadri Godtel	Master of Business Administration, Harvard Business School; Bachelor of Science in Engineering, Massachusetts Institute of Technology; Master of Science in Engineering, Stanford University	72	Diversified
25	J. Tomlin Hill	Master of Business Administration, Harvard Business School; Bachelor of Arts/Science, Harvard University	74	Finance & Investments
26	Mortimer Zuckerman	LL.M, Harvard University; Bachelor of Arts/Science, McGill University; Master of Business Administration, University of Pennsylvania; The Wharton School	85	Real Estate
27	Lim Kok Thay	Harvard Business School; Bachelor of Arts/Science, University of London	71	Gambling & Casinos
28	Thomas James	Master of Business Administration, Harvard Business School; Bachelor of Arts/Science, Harvard University; Doctor of Jurisprudence, Stetson University	80	Finance & Investments
29	Timothy Springer	Ph.D, Harvard University; Bachelor of Science, University of California, Berkeley	75	Healthcare
30	Ivring Gausebeck & family	Bachelor of Arts, Amherst College; Master of Business Administration, Harvard University	88	Sports
31	G. Granallinagam	Master, Harvard Business School; Bachelor of Arts/Science, University of Malaysia	78	Logistics
32	Stephen Janslowsky	Bachelor of Arts/Science, Cornell University; Master of Business Administration, Harvard University; Master of Arts, The University of Chicago	97	Finance & Investments
33	Jim Koch	Bachelor of Arts/Science, Harvard University; Doctor of Jurisprudence, Harvard University; Master of Business Administration, Harvard University	73	Food & Beverage
34	George Joseph	Bachelor of Arts/Science, Harvard University	101	Finance & Investments
35	Gerd Schwart	Master of Business Administration, Harvard University	81	Finance & Investments
36	Joseph Steinberg	Master of Business Administration, Harvard University; Bachelor of Arts/Science, New York University	79	Finance & Investments

Q.10) How many billionaires with doctorates are from outside USA.

```
SELECT
    name,
    country,
    CASE
        WHEN Doctorate = 1 THEN 'YES'
    END AS Doctorate
FROM [dbo].[ForbesBillionairesCSV]
WHERE COUNTRY <> 'United States'
AND Doctorate = 1;
```

	name	country	Doctorate
1	Robin Zeng	Hong Kong	YES
2	Cyrus Poonawalla	India	YES
3	Vladimir Lisin	Russia	YES
4	Sun Piaoyang	China	YES
5	David Cheriton	Canada	YES
6	Michael Otto	Germany	YES
7	Liu Jincheng & family	China	YES
8	Wang Yusuo & family	China	YES
9	Frits Goldschmeding	Netherlands	YES
10	Thomas Schmidheiny	Switzerland	YES
11	Miuccia Prada	Italy	YES
12	Dinara Kulibaeva	Kazakhstan	YES
13	Chan Laiwa & family	China	YES
14	John Gandel	Australia	YES
15	Martin Ebner	Switzerland	YES
16	Sebastian Piñera & family	Chile	YES
17	Yuri Kovalchuk & family	Russia	YES
18	Cen Junda	China	YES
19	Stephan Schmidheiny	Switzerland	YES
20	Liang Xinjun	Singapore	YES
21	Victor Pinchuk	Ukraine	YES
22	Yusuf Hamied	India	YES
23	Genhuo Shao	China	YES
24	Terence (Terry) Matthews	Canada	YES
25	Yan Jane & family	China	YES
26	Liu Ming Hui	China	YES
27	Gleb Fetisov	Russia	YES
28	Lee Joong-keun	South Kor...	YES
29	Rao Wei & family	China	YES

Q.11) Give TOP 20 Billionaires by net worth who live in Florida and Paris.

```
SELECT name, Residence, age, net_worth
FROM [dbo].[ForbesBillionairesCSV]
WHERE Residence LIKE '%Florida%'
OR Residence LIKE '%Paris%'
ORDER BY Rank ASC
OFFSET 0 ROWSFETCH NEXT 20 ROWS ONLY;
```

	name	Residence	age	net_worth
1	Bernard Arnault & family	Paris, France	74	211
2	Francoise Bettencourt Meyers & family	Paris, France	69	80.5
3	François Pinault & family	Paris, France	86	40.0999984741211
4	Ken Griffin	Miami, Florida	54	35
5	Thomas Peterffy	Palm Beach, Florida	78	25.2999992370605
6	David Tepper	Palm Beach, Florida	65	18.5
7	Carl Icahn	Indian Creek, Florida	87	17.5
8	Shahid Khan	Naples, Florida	72	12.1000003814697
9	Vincent Bollore & family	Paris, France	71	9.5
10	Laurent Dassault	Paris, France	69	8.10000038146973
11	Thierry Dassault	Paris, France	66	8.10000038146973
12	Marie-Hélène Habert-Dassault	Paris, France	58	8.10000038146973
13	Orlando Bravo	Miami Beach, Florida	52	7.90000009536743
14	Reinhold Schmieding	Naples, Florida	68	7.69999980926514
15	Paul Tudor Jones, II.	Palm Beach, Florida	68	7.5
16	Jeff Greene	Palm Beach, Florida	68	7.19999980926514
17	J. Christopher Reyes	Hobe Sound, Florida	69	7
18	Jude Reyes	Palm Beach, Florida	67	7
19	Igor Olenicoff	Lighthouse Point, Florida	80	6.90000009536743
20	Xavier Niel	Paris, France	55	6.69999980926514

THANK YOU