



Simple Structured Query Language

Scholarship Opportunities in China

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Data Understanding



Introduction

The China Scholarship dataset is a comprehensive collection of information related to scholarships offered in China. It contains data on various aspects of the scholarships, including universities, majors, levels of study, tuition fees, accommodation expenses, and living expenses.

By analyzing the China Scholarship dataset is a valuable resource for individuals interested in pursuing higher education in China and seeking financial support through scholarships. It provides insights into the available scholarship options, the universities, majors, levels offering them, and the associated costs.



Data Understanding

Column Name	#	Data Type	Length	Not Null
123 schol_id	1	INTEGER		[]
ABC University	2	VARCHAR		[]
ABC Major	3	VARCHAR		[]
ABC Level	4	VARCHAR		[]
ABC Language	5	VARCHAR		[]
123 Tuition Co...	6	REAL		[]
123 Accomoda...	7	INTEGER		[]
123 Living Exp...	8	INTEGER		[]
123 Tuition fee...	9	INTEGER		[]
123 Original Tu...	10	REAL		[]
ABC Start_Month	11	VARCHAR		[]
123 Start_Year	12	INTEGER		[]
123 Accomoda...	13	REAL		[]
ABC Accomoda...	14	VARCHAR		[]
123 Expense_T...	15	REAL		[]
ABC Expense_d...	16	VARCHAR		[]

The dataset contains information about scholarships and includes descriptive fields such as School ID, University name, major field of study, education level, the language of instruction, amount of tuition covered, accommodation coverage, coverage for living expenses, tuition fees to be paid, original tuition fee, starting month of scholarship, starting year of scholarship, accommodation fees to be paid, duration of accommodation coverage, expenses to be paid, and duration of an expense coverage. These fields provide detailed information about the various aspects of the scholarships in the dataset.

02

Simple SQL for China Scholarship



Data

```
1 SELECT *
2 FROM `scholarship.scholarship_china`
3 LIMIT 5;
```



schol_id	University	Major	Level	Language	Tuition_Covered	Accomodation_covered_	Living_Expense_Covered_	Tuition_fees_to_pay
5	Qingdao University	Long-term Chinese Language Program	Non-Degree	Chinese	7,000	1	1	0
6	Qingdao University	Long-term Chinese Language Program	Non-Degree	Chinese	14,000	1	1	0
34	Nanchang University	Chinese Language Program	Non-Degree	Chinese	6,500	1	0	6,500
214	Qingdao University	Bachelor's Program of Chinese Language	Bachelor	Chinese	18,000	1	1	4,500
1,096	Shantou University Medical College	Nursing	Bachelor	Chinese	30,000	1	1	0

It returns a comprehensive set of information regarding the scholarships in China. The query provides a complete snapshot of the China Scholarship dataset, showcasing all the available details for each scholarship entry.

Most University

```
1 SELECT University, Count(*) as University_Populer
2 FROM `scholarship.scholarship_china`
3 GROUP BY University
4 ORDER BY University_Populer DESC
5 LIMIT 5;
```

University ▾

University_Populer ▾

Zhejiang Normal University	402
North China Electric Power University	352
Shandong University	240
Zhejiang University of Technology	222
China University of Petroleum - Beijing	213

What are the most popular universities in scholarship programs in China?

The output of this query gives insights into which universities in the results are sorted in descending order, starting with the university that has the highest number of universities and this query can create the most popular universities.

Most Major

```
1 SELECT Major, Count(*) as Major_Populer
2 FROM `scholarship.scholarship_china`
3 GROUP BY Major
4 ORDER BY Major_Populer DESC
5 LIMIT 5;
```

Major ▾

Major_Populer ▾

Computer Science and Technology	54
Mechanical Engineering	45
Business Administration	37
Software Engineering	37
Chemistry	29

What are the most popular major in scholarship programs in China?

The output of this query gives insights into which major, starting with the major that has the highest number of major and this query create the most popular Major. Computer Science and Technology is most popular major in China Scholarship

Total Major in University

```
1 SELECT University, STRING_AGG(DISTINCT Major) as Majors,  
2     COUNT(DISTINCT Major) as Total_Major_in_University,  
3 FROM "scholarship.scholarship_china"  
4 GROUP BY University  
5 ORDER BY Total_Major_in_University DESC  
6 LIMIT 5;  
7 |
```

University	Majors	Total_Major_in_University
North China Electric Power University	Mechanical Engineering,Information Management and Information Systems,Internet of Things Engineering,Water Resources and ...	164
South China University of Technology	Logistics Engineering,Economics and Management of Convention and Exhibition,Materials Engineering,Electronic Commerce,Prod...	119
Zhengzhou University of Light Industry	Chinese Language Program,Information and Computing Science,Social Sports Guidance and Management,Electronics Science and ...	110
Zhejiang A & F University	Chinese Language Program,B.Ag. in Forestry,Veterinary medicine,Machine Designing and Manufacturing and Automation,Busines...	106
Zhejiang Normal University	Master of Fine Arts(MFA)-Broadcasting,Master of Fine Arts(MFA)-Music,Master of Fine Arts(MFA)-Film,Geographical Environmen...	103

Which university have major has the highest number of majors offered in the China scholarship program?

Most Level

```
1 SELECT Level, Count(*) as Total_Level
2 FROM `scholarship.scholarship_china`
3 GROUP BY Level
4 ORDER BY Total_Level DESC
```

Level ▾

▾ Total_Level

Master 1,461

Bachelor 1,361

Phd 692

Non-Degree 62

What are the most popular Level in scholarship programs in China?

The output of this query gives insights into which Level and starting with the Level that has the highest number of Level and this query create the most popular Level. Master and Bachelor is Highest Level have in China Scholarship

Total Level in University

```
1 SELECT University,  
2     STRING_AGG(DISTINCT Level) as Levels,  
3     COUNT(DISTINCT Level) as Total_Level_in_University,  
4 FROM `scholarship.scholarship_china`  
5 GROUP BY University  
6 ORDER BY Total_Level_in_University DESC  
7 LIMIT 5;  
8
```

University	Levels	Total_Level_in_University
Ningbo University	Bachelor,Master,Phd,Non-Degree	4
Shanghai University of Traditional Chinese Medicine	Master,Non-Degree,Bachelor,Phd	4
China University of Petroleum - Beijing	Non-Degree,Bachelor,Master,Phd	4
Zhejiang A & F University	Non-Degree,Bachelor,Master	3
Zhengzhou University	Phd,Bachelor,Master	3

Which university offers the highest number of distinct academic levels in the China scholarship program?

Most Language

```
1 SELECT Language, COUNT(*) as Total_Language
2 FROM `scholarship.scholarship_china`
3 GROUP BY Language
4 ORDER BY Total_Language DESC
5 LIMIT 5;
6 |
```

Language ▾

Total_Language ▾

Chinese	2,395
English	1,176
Japanese	4
German	1

What are the most commonly used languages among the recipients of the China scholarship program?

The query results provide information about the number of scholarship recipients grouped by language. It shows the count of scholarship recipients for each language in descending order. The output allows you to identify the most commonly used languages among the recipients of the China scholarship program.

Total Language in University

```
1 SELECT University,  
2     STRING_AGG(DISTINCT Major) as Total_Majors,  
3     STRING_AGG(DISTINCT Level) as Total_Levels,  
4     STRING_AGG(DISTINCT Language) as Total_Languages  
5 FROM `scholarship.scholarship_china`  
6 GROUP BY University  
7 ORDER BY Total_Languages DESC  
8 LIMIT 5;  
9 |
```

University	Total_Majors	Total_Levels	Total_Languages
Ningbo University	Financial Engineering,Logistics Management,Law,Mechanical Engineering & Automation,Architecture,Finance,English Linguistics ...	Bachelor,Master,Phd,Non-Degree	English,German,Chinese,Japanese
Tianjin Foreign Studies University	International Business,International Economics & Trade,Financial Management,Tourism Management,Finance,Chinese Language a...	Bachelor,Master,Phd	English,Chinese,Japanese
Shandong University	Labor Economics,China Studies,Control Science and Engineering,Biomedical Engineering,Clinical Pharmacy,Computational Mathe...	Master,Phd	English,Chinese
Chongqing Medical University	MBBS (Bachelor of Medicine & Bachelor of Surgery),Plastic Surgery,Social Medicine and Health Management,Special Medicine,Cli...	Bachelor,Master,Phd	English,Chinese
Jiangsu University	Pharmacy,Chemistry,Accounting,Food Science & Engineering,Mechanical Engineering,Chinese Materia Medica ,Management Scie...	Bachelor,Master,Phd	English,Chinese

Which universities have the most diverse range of majors, levels, and languages among their scholarship recipients?

University and Total Accomodation Covered

```
1 SELECT University,  
2     SUM(Accomodation_covered_) as Total_Covered,  
3     SUM(Accomodation_To_Pay) as Total_to_Pay  
4 FROM `scholarship.scholarship_china`  
5 WHERE Accomodation_To_Pay = 0  
6 GROUP BY University  
7 ORDER BY Total_Covered DESC  
8 LIMIT 5;
```

University	Total_Covered	Total_to_Pay
East China University of Science and Technology	67	0
Zhejiang University of Technology	66	0
Zhejiang University of Science and Technology	60	0
Shanghai University of Traditional Chinese Medicine	57	0
Zhejiang Normal University	48	0

Which universities have the lowest total accommodation expenses to pay and highest amount of accommodation covered among the China Scholarship recipients?

This output helps identify universities where a larger proportion of accommodation expenses are covered and also provides insights into the total amount that needs to be paid for accommodation by students at each university.

University and Total Living Covered

```
1 SELECT University,  
2     SUM(Living_Expense_Covered_) as Total_Covered,  
3     SUM(Expense_To_Pay) as Total_to_Pay  
4 FROM `scholarship.scholarship_china`  
5 WHERE Expense_To_Pay = 0  
6 GROUP BY University  
7 ORDER BY Total_Covered DESC  
8 LIMIT 5;
```

University	Total_Covered	Total_to_Pay
North China Electric Power University	176	0
Shandong University	120	0
East China University of Science and Technology	67	0
Shanghai University of Traditional Chinese Medicine	57	0
University of Science and Technology Beijing	35	0

Which universities have the highest count of living expenses covered and the corresponding total expenses to pay among the China Scholarship recipients?

Same as the query before but This output helps identify universities where a larger number of living expenses are covered and also provides insights into the total amount that needs to be paid for expenses by students at each university.

Total To Pay in University, Major, and Level

```
1 SELECT University,
2        STRING_AGG(DISTINCT Major) as Majors,
3        STRING_AGG(DISTINCT Level) as Levels,
4        SUM(Tuition_fees_to_pay + Accomodation_To_Pay + Expense_To_Pay) as Total_To_Pay,
5 FROM `scholarship.scholarship_china`
6 GROUP BY University
7 ORDER BY Total_To_Pay DESC
8 LIMIT 5;
```

University	Majors	Levels	Total_To_Pay
North China Electric Power University	Mechanical Engineering,Information Management and Information Systems,Internet of Things Engineering,Water Resources and ...	Bachelor,Master,Phd	7,401,400
Chongqing Medical University	MBBS (Bachelor of Medicine & Bachelor of Surgery),Plastic Surgery,Social Medicine and Health Management,Special Medicine,CIL...	Bachelor,Master,Phd	3,967,100
The Sino-British College, University of Shanghai for S...	International Foundation in Business,International Foundation in Engineering,Business Management,Events Management , Electri...	Non-Degree,Bachelor	3,548,200
Shandong University	Labor Economics,China Studies,Control Science and Engineering,Biomedical Engineering,Clinical Pharmacy,Computational Mathe...	Master,Phd	3,005,900
Zhejiang Normal University	Master of Fine Arts(MFA)-Broadcasting,Master of Fine Arts(MFA)-Music,Master of Fine Arts(MFA)-Film,Geographical Environmen...	Master,Bachelor,Phd	2,994,950

Which universities have the highest total amount to pay (including tuition fees, accommodation costs, and living expenses) among the China Scholarship recipients, along with their corresponding majors and levels?

Average and Percentage Tuition Covered

```
1 SELECT
2     University,
3     STRING_AGG(DISTINCT Level) as Levels,
4     Tuition_Covered,
5     Original_Tuition_Fee,
6     CASE
7         WHEN Tuition_Covered = 0 OR Original_Tuition_Fee = 0 THEN 0
8         ELSE ROUND((Tuition_Covered / Original_Tuition_Fee) * 100, 2)
9     END AS Percentage_Tuition_Fee,
10    AVG(CASE
11        WHEN Tuition_Covered = 0 OR Original_Tuition_Fee = 0 THEN 0
12        ELSE (Tuition_Covered / Original_Tuition_Fee) * 100
13    END) OVER() AS Average_Percentage_Tuition_Fee
14 FROM "scholarship:scholarship_china"
15 GROUP BY University, Tuition_Covered, Original_Tuition_Fee
16 ORDER BY Percentage_Tuition_Fee DESC;
```

University	Levels	Tuition_Covered	Original_Tuition_Fee	Percentage_Tuition_Fee	Average_Percentage_Tuition_Fee
Zhengzhou University	Bachelor	30,000	30,000	100	70.69
Shenyang University of Chemical Technology	Bachelor	15,500	15,500	100	70.69
China University of Petroleum - Beijing	Non-Degree,Bachelor	25,000	25,000	100	70.69
Shanghai Normal University	Phd	28,000	28,000	100	70.69
Shanghai Normal University	Bachelor	22,400	22,400	100	70.69
Zhejiang Normal University	Phd	32,000	32,000	100	70.69

Which universities and levels have the highest percentage of tuition fees covered among the China Scholarship recipients, along with the corresponding covered and original tuition fee amounts? Additionally, what is the average percentage of tuition fees covered across all universities and levels?

Total Tuition Covered and Total to Pay

```
1 SELECT
2   University,
3   SUM(Tuition_Covered) AS Total_Tuition_Covered,
4   SUM(Accommodation_To_Pay) AS Total_Accommodation_Pay,
5   SUM(Expense_To_Pay) AS Total_Living_Pay,
6   SUM(Tuition_fees_to_pay) AS Total_Tuition_Pay,
7   SUM(Tuition_fees_to_pay + Accommodation_To_Pay + Expense_To_Pay) AS Total_To_Pay
8 FROM `scholarship.scholarship_china`
9 GROUP BY University
10 ORDER BY Total_To_Pay DESC;
```

University	Total_Tuition_Cov...	Total_Accommodation...	Total_Living...	Total_Tuition...	Total_To...
North China Electric Power University	4,029,000	422,400	264,000	6,715,000	7,401,400
Chongqing Medical University	4,512,500	75,600	189,000	3,702,500	3,967,100
The Sino-British College, University of Shanghai for Science and Technology	3,680,000	1,104,000	124,200	2,320,000	3,548,200
Zhejiang Normal University	6,749,600	218,350	571,000	2,205,600	2,994,950
Northeast Petroleum University	817,500	109,000	109,000	1,304,500	1,522,500
China University of Petroleum - Beijing	5,260,500	202,500	202,500	887,000	1,292,000

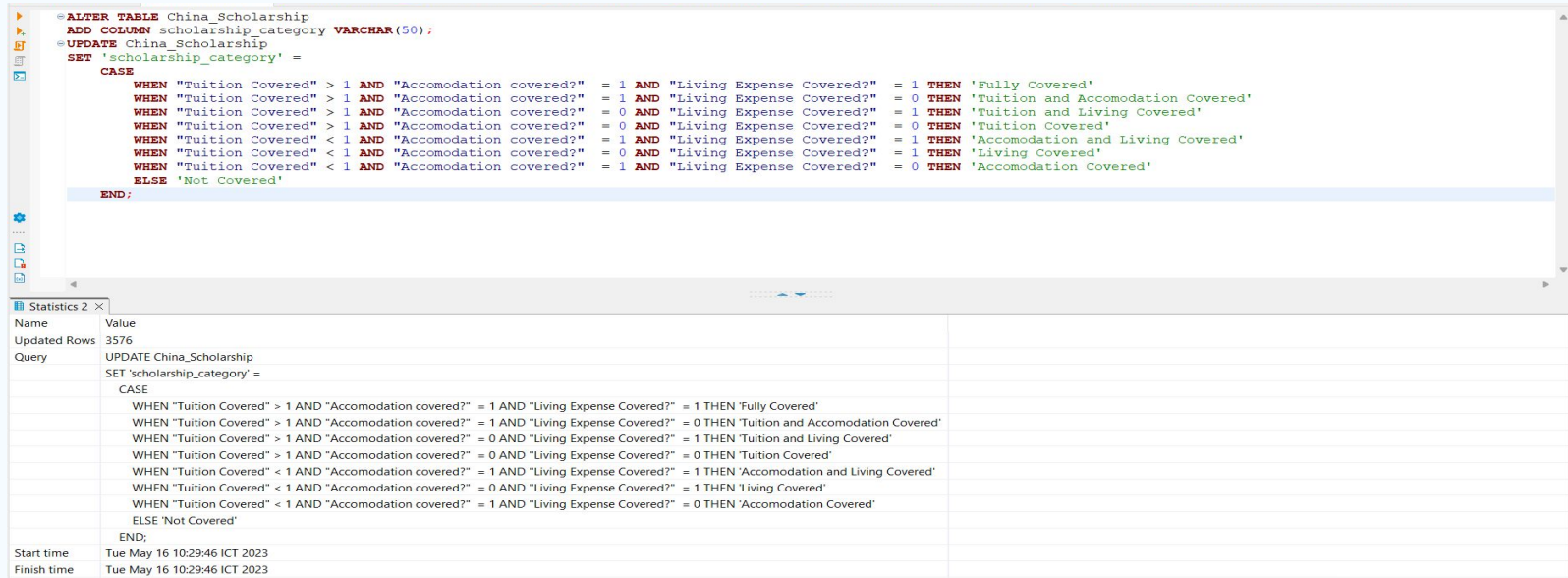
Which universities have the highest total amounts for tuition covered, accommodation to pay, living expenses to pay, tuition fees to pay, and the overall total amount to pay among the China Scholarship recipients?

03

Add a New Column



New Column Scholarship Category



```
ALTER TABLE China_Scholarship
ADD COLUMN scholarship_category VARCHAR(50);
UPDATE China_Scholarship
SET 'scholarship_category' =
CASE
WHEN "Tuition Covered" > 1 AND "Accommodation covered?" = 1 AND "Living Expense Covered?" = 1 THEN 'Fully Covered'
WHEN "Tuition Covered" > 1 AND "Accommodation covered?" = 1 AND "Living Expense Covered?" = 0 THEN 'Tuition and Accommodation Covered'
WHEN "Tuition Covered" > 1 AND "Accommodation covered?" = 0 AND "Living Expense Covered?" = 1 THEN 'Tuition and Living Covered'
WHEN "Tuition Covered" > 1 AND "Accommodation covered?" = 0 AND "Living Expense Covered?" = 0 THEN 'Tuition Covered'
WHEN "Tuition Covered" < 1 AND "Accommodation covered?" = 1 AND "Living Expense Covered?" = 1 THEN 'Accommodation and Living Covered'
WHEN "Tuition Covered" < 1 AND "Accommodation covered?" = 0 AND "Living Expense Covered?" = 1 THEN 'Living Covered'
WHEN "Tuition Covered" < 1 AND "Accommodation covered?" = 1 AND "Living Expense Covered?" = 0 THEN 'Accommodation Covered'
ELSE 'Not Covered'
END;
```

Name	Value
Updated Rows	3576
Query	UPDATE China_Scholarship SET 'scholarship_category' = CASE WHEN "Tuition Covered" > 1 AND "Accommodation covered?" = 1 AND "Living Expense Covered?" = 1 THEN 'Fully Covered' WHEN "Tuition Covered" > 1 AND "Accommodation covered?" = 1 AND "Living Expense Covered?" = 0 THEN 'Tuition and Accommodation Covered' WHEN "Tuition Covered" > 1 AND "Accommodation covered?" = 0 AND "Living Expense Covered?" = 1 THEN 'Tuition and Living Covered' WHEN "Tuition Covered" > 1 AND "Accommodation covered?" = 0 AND "Living Expense Covered?" = 0 THEN 'Tuition Covered' WHEN "Tuition Covered" < 1 AND "Accommodation covered?" = 1 AND "Living Expense Covered?" = 1 THEN 'Accommodation and Living Covered' WHEN "Tuition Covered" < 1 AND "Accommodation covered?" = 0 AND "Living Expense Covered?" = 1 THEN 'Living Covered' WHEN "Tuition Covered" < 1 AND "Accommodation covered?" = 1 AND "Living Expense Covered?" = 0 THEN 'Accommodation Covered' ELSE 'Not Covered' END; Start time Tue May 16 10:29:46 ICT 2023 Finish time Tue May 16 10:29:46 ICT 2023

How was the 'scholarship_category' column added to the 'China_Scholarship' table and how were the values in this column updated based on the conditions specified?

Most Popular Scholarship Category

```
1 SELECT Scholarship_Category, COUNT(*) as Total_scholarship
2 FROM `scholarship.china_scholarship`
3 GROUP BY Scholarship_Category
4 ORDER BY Total_scholarship DESC;
```

Scholarship_Category	Total_scholarship
Tuition Covered	2,364
Fully Covered	562
Tuition and Accomodation Covered	268
Living Expense Covered	176
Not Fully Covered	42
Tuition and Living Covered	39

What are the different categories of scholarships in the 'China_Scholarship' table and how many scholarships are there in each category?

The query provides the output that shows the count of scholarships for each scholarship category in the China Scholarship. The output provides a summary of the distribution of scholarships across different categories.

Total Scholarship Category in University

```
1 SELECT University,  
2    COUNT(DISTINCT Major) as Total_Major,  
3    STRING_AGG(DISTINCT Level) as Levels,  
4    STRING_AGG(DISTINCT Scholarship_Category) as Scholarship_Category,  
5    COUNT(DISTINCT Scholarship_Category) as Total_Scholarship_in_University  
6 FROM "scholarship.china_scholarship"  
7 GROUP BY University  
8 ORDER BY Total_Scholarship_in_University DESC]
```

University	Total_Major	Levels	Scholarship_Category	Total_Scholarship_in_University
Zhejiang University of Technology	94	Bachelor,Master,Phd	Fully Covered,Tuition Covered,Tuition and Accomodation Covered	3
Shanghai University of Traditional Chinese Medicine	35	Master,Phd,Non-Degree,Bachelor	Fully Covered,Tuition Covered,Tuition and Living Covered	3
Changzhou Institute of Technology	49	Bachelor,Non-Degree	Tuition Covered,Accomodation Covered,Tuition and Accomodation Covered	3
Qingdao University	3	Non-Degree,Bachelor	Fully Covered,Tuition Covered	2
China University of Petroleum - Beijing	43	Non-Degree,Bachelor,Master,Phd	Fully Covered,Tuition Covered	2
University of Science and Technology Beijing	35	Bachelor	Fully Covered,Tuition Covered	2

Which universities have the highest number of unique scholarship categories offered, and what are the corresponding majors and levels associated with those categories?

Data With Level Bachelor

```

1 SELECT
2   University,
3   Level,
4   STRING_AGG(DISTINCT Language) as Languages,
5   Scholarship_Category,
6   COUNT(DISTINCT Major) AS Total_Major,
7   SUM(Tuition_Covered) AS Total_Covered,
8   SUM(Original_Tuition_Fee) AS Total_Original_Tuition_Fee,
9   ROUND(SUM(Tuition_Covered) / NULLIF(SUM(Original_Tuition_Fee), 0) * 100, 2) AS Percentage
10 FROM "scholarship.china_scholarship"
11 WHERE Level = "Bachelor" AND Original_Tuition_Fee > 0
12 GROUP BY University, Level, Scholarship_Category
13 ORDER BY Percentage DESC;

```

University	Level	Languages	Scholarship_Category	Total_Major	Total_Covered	Total_Original_Tuition_Fee	Percentage
University of Science and Technology Beijing	Bachelor	Chinese,English	Fully Covered	35	815,500	815,500	100
Zhejiang University of Technology	Bachelor	English,Chinese	Fully Covered	61	1,980,000	1,980,000	100
Shantou University Medical College	Bachelor	Chinese	Fully Covered	2	60,000	60,000	100
China University of Petroleum - Beijing	Bachelor	English,Chinese	Fully Covered	11	325,000	325,000	100
Zhejiang University of Technology	Bachelor	English,Chinese	Tuition Covered	61	1,240,800	1,240,800	100
Shanghai Normal University	Bachelor	Chinese	Tuition Covered	35	918,400	918,400	100

Which universities offering Bachelor-level scholarships have the highest percentage of tuition covered in relation to the original tuition fee? Additionally, what are the total number of majors, the language of instruction, the scholarship categories, the total tuition covered, and the minimum amount to pay (including accommodation and living expenses) for each university?

Data With Level Master

```
1 SELECT
2   University,
3   Level,
4   STRING_AGG(DISTINCT Language) as Languages,
5   Scholarship_Category,
6   COUNT(DISTINCT Major) AS Total_Major,
7   SUM(Tuition_Covered) AS Total_Covered,
8   SUM(Original_Tuition_Fee) AS Total_Original_Tuition_Fee,
9   ROUND(SUM(Tuition_Covered) / NULLIF(SUM(Original_Tuition_Fee), 0) * 100, 2) AS Percentage
10 FROM `scholarship.china_scholarship`
11 WHERE Level = 'Master' AND Original_Tuition_Fee > 0
12 GROUP BY University, Level, Scholarship_Category
13 ORDER BY Percentage DESC, Total_Major DESC;
```

University	Level	Languages	Scholarship_Category	Total_Major	Total_Covered	Total_Original_Tuition_Fee	Percentage
Zhejiang Normal University	Master	Chinese,English	Tuition and Accomodation...	44	902,400	902,400	100
China University of Petroleum - Beijing	Master	Chinese,English	Fully Covered	33	1,650,000	1,650,000	100
Shanghai Normal University	Master	Chinese,English	Tuition Covered	26	689,000	689,000	100
Shanghai University of Traditional Chinese ...	Master	English,Chinese	Fully Covered	19	4,104,000	4,104,000	100
Zhejiang University of Science and Technol...	Master	English,Chinese	Tuition and Accomodation...	13	414,000	414,000	100
Baoji University of Arts and Sciences	Master	Chinese,English	Fully Covered	12	336,000	336,000	100

Which universities offering Master-level scholarships have the highest percentage of tuition covered in relation to the original tuition fee? Additionally, what are the total number of majors, the language of instruction, the scholarship categories, the total tuition covered, and the minimum amount to pay (including accommodation and living expenses) for each university?

Data With Level PhD

```
1 SELECT
2   University,
3   Level,
4   STRING_AGG(DISTINCT Language) as Languages,
5   Scholarship_Category,
6   COUNT(DISTINCT Major) AS Total_Major,
7   SUM(Tuition_Covered) AS Total_Covered,
8   SUM(Original_Tuition_Fee) AS Total_Original_Tuition_Fee,
9   ROUND(SUM(Tuition_Covered) / NULLIF(SUM(Original_Tuition_Fee), 0) * 100, 2) AS Percentage
10 FROM `scholarship.china_scholarship`
11 WHERE Level = 'Phd' AND Original_Tuition_Fee > 0
12 GROUP BY University, Level, Scholarship_Category
13 ORDER BY Percentage DESC, Total_Major DESC;
```

University	Level	Languages	Scholarship_Category	Total_Major	Total_Covered	Total_Original_Tuition_Fee	Percentage
East China University of Science and Techn...	Phd	English,Chinese	Fully Covered	37	2,609,650	2,609,650	100
South China University of Technology	Phd	English,Chinese	Tuition and Living Covered	30	1,020,000	1,020,000	100
Shanghai University of Traditional Chinese ...	Phd	English,Chinese	Fully Covered	18	1,131,000	1,131,000	100
Jiangsu University	Phd	Chinese,English	Tuition Covered	16	882,000	882,000	100
China University of Petroleum - Beijing	Phd	Chinese	Fully Covered	14	792,000	792,000	100
Zhejiang University of Technology	Phd	English,Chinese	Tuition Covered	11	330,000	330,000	100

Which universities offering PhD-level scholarships have the highest percentage of tuition covered in relation to the original tuition fee? Additionally, what are the total number of majors, the language of instruction, the scholarship categories, the total tuition covered, and the minimum amount to pay (including accommodation and living expenses) for each university?

Data With Level Non-Degree

```
1 SELECT
2   University,
3   Level,
4   STRING_AGG(DISTINCT Language) as Languages,
5   Scholarship_Category,
6   COUNT(DISTINCT Major) AS Total_Major,
7   SUM(Tuition_Covered) AS Total_Covered,
8   SUM(Original_Tuition_Fee) AS Total_Original_Tuition_Fee,
9   ROUND(SUM(Tuition_Covered) / NULLIF(SUM(Original_Tuition_Fee), 0) * 100, 2) AS Percentage
10 FROM `scholarship.china_scholarship`
11 WHERE Level = 'Non-Degree' AND Original_Tuition_Fee > 0
12 GROUP BY University, Level, Scholarship_Category
13 ORDER BY Percentage DESC, Total_Major DESC;
```

University	Level	Languages	Scholarship_Category	Total_Major	Total_Covered	Total_Original_Tuition_Fee	Percentage
China University of Petroleum - Beijing	Non-Deg...	English,Chinese	Fully Covered	9	619,000	619,000	100
Qingdao University	Non-Deg...	Chinese	Fully Covered	1	21,000	21,000	100
Shanghai University of Traditional Chinese ...	Non-Deg...	English	Tuition Covered	1	7,500	7,500	100
Beijing Film Academy	Non-Deg...	English	Tuition Covered	1	46,000	46,000	100
Zhengzhou University of Light Industry	Non-Deg...	Chinese	Tuition Covered	1	15,000	18,000	83.33
Shandong Polytechnic College	Non-Deg...	Chinese	Tuition Covered	1	6,000	8,000	75

Which universities offering Non-Degree level scholarships have the highest percentage of tuition covered in relation to the original tuition fee? Additionally, what are the total number of majors, the language of instruction, the scholarship categories, the total tuition covered, and the minimum amount to pay (including accommodation and living expenses) for each university?

Insight From Categorical Data Type



University

From the distribution of universities mentioned, Zhejiang Normal University and North China Electric Power University are among the top choices for international students due to the number of international students enrolled.



Major

From the distribution of the Major column, it can be concluded that Computer Science and Technology and Mechanical Engineering are the most popular majors with the highest number of students, but Shanghai University of Traditional Medicine and China University of Petroleum offer majors that are popular among international students.



Level and Scholarship Category

Zhejiang Normal University offers the most Bachelor's and Master's degrees, while North China Electric Power University provides the most Ph.D. degree offerings. On the other hand, Shanghai University of Traditional Medicine provides the most Fully Covered scholarships

Conclusion

For Bachelor's Degree scholarship seekers who are looking for Fully Covered scholarships, there are three options: Shantou University Medical College, University of Science and Technology in Beijing, and Zhejiang University of Science and Technology. However, Shantou University only offers two majors, while the University of Science and Technology and Zhejiang University of Science and Technology in Beijing has many majors to choose from.

Based on the analysis, we can conclude that there are three universities that provide Fully Covered scholarships for Master's Degree scholarship seekers, namely China University of Petroleum, Shanghai University of Traditional Chinese Medicine, and Baoji University of Arts and Sciences. It is important for scholarship seekers to carefully consider the major offered by each university and its relevance to their career goals.



Conclusion

Based on the analysis, it can be concluded that for Ph.D. degree scholarship seekers who are looking for fully covered scholarships. there are three universities that offer such scholarships. These universities are the East China University of Science and Technology and Shanghai University of Traditional Chinese Medicine, and China University of Petroleum. However, the choice between these two universities may depend on the field of study that the scholarship seeker is interested in.

Based on the analysis, it can be concluded that for Non-Degree scholarship seekers who are looking for fully covered scholarships. there are two universities that offer such scholarships. These universities are the China University of Petroleum and Qingdao University. However, Qingdao University only offers two majors, while the China University of Petroleum in Beijing has many majors to choose from.



Conclusion

At least but not least, As the classical saying goes, "Pursue knowledge even unto China.". It can be concluded that China is an attractive study destination for international students looking for scholarships. Some of the favorite universities and majors for scholarship recipients can be options for prospective international students who want to continue their studies in China with a scholarship. Additionally, it should be noted that most scholarships awarded only cover tuition fees, so it is necessary to be well-prepared to bear the cost of accommodation and living expenses during studies in China. the analysis provides valuable insights into the costs of studying in China for international students and can be used as a reference for those who are planning to pursue higher education in China.

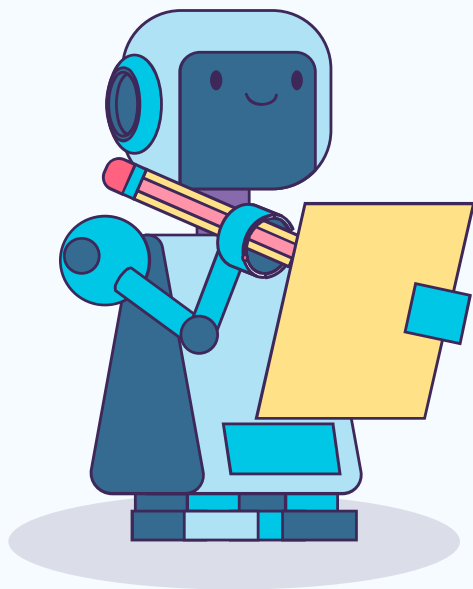




Dashboard

<http://localhost:3000/public/dashboard/fcb87262-d051-4c17-bc23-7e9d5b675b1f>

Thanks!



Dataset and Notebook :

kaggle.com/code/masghiff/exploring-data-scholarship-opportunities-in-china

LinkedIn : linkedin.com/in/ghifarikusuma/

GitHub : github.com/MasGhiff/

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