1. **ck Overflow Survey Results: Data and Business Analyst**

-- **What Online Tools/Certification used to Learn?** --

SELECT DevType, LearnCodeCoursesCert AS CoursesCerts, LearnCode AS Resources

FROM [Stack\_Overflow\_Survey\_2023].[dbo].[survey\_results\_public]

WHERE DevType != 'NA' AND LearnCodeCoursesCert != 'NA' AND DevType = 'Data or business analyst'

-- **What are the most popular languages?** --

SELECT TOP 10 DevType, value AS NewLanguage, COUNT(value) AS Total

FROM [Stack\_Overflow\_Survey\_2023].[dbo].[survey\_results\_public]

CROSS APPLY string\_split(LanguageHaveWorkedWith, ';') -- use STRING\_SPLIT here --

WHERE DevType != 'NA' AND value != 'NA' AND DevType = 'Data or business analyst'

GROUP BY value, DevType, LanguageHaveWorkedWith

ORDER BY Total desc, value

--  **What are the most popular databases?** –-

SELECT Top 5 DevType, value AS NewDatabase, COUNT(value) AS Total

FROM [Stack\_Overflow\_Survey\_2023].[dbo].[survey\_results\_public]

CROSS APPLY string\_split(DatabaseHaveWorkedWith, ';') -- use STRING\_SPLIT here --

WHERE DevType != 'NA' AND value != 'NA' AND DevType = 'Data or business analyst'

GROUP BY value, DevType, DatabaseHaveWorkedWith

Order by Total desc, value

-- **Do years of experience affect Compensation, if so, how**? –-

SELECT DevType, YearsCode, ISNULL(ConvertedCompYearly, 0) As NewCompensation

FROM [Stack\_Overflow\_Survey\_2023].[dbo].[survey\_results\_public]

WHERE DevType = 'Data or Business Analyst' AND YearsCodePro != 'NA' AND Industry != 'NA' and ConvertedCompYearly != 0

GROUP BY DevType, Industry, ResponseId, YearsCode, ConvertedCompYearly

ORDER BY ConvertedCompYearly desc

1. -- Years of experience with master’s degree --

SELECT DevType, EdLevel, YearsCode, ISNULL(ConvertedCompYearly, 0) As NewCompensation

FROM [Stack\_Overflow\_Survey\_2023].[dbo].[survey\_results\_public]

WHERE DevType = 'Data or Business Analyst' AND Edlevel = 'Master’s degree (M.A., M.S., M.Eng., MBA, etc.)' AND YearsCodePro != 'NA' AND Industry != 'NA' AND ConvertedCompYearly != 0

GROUP BY DevType, EdLevel, Industry, ResponseId, YearsCode, ConvertedCompYearly

ORDER BY ConvertedCompYearly desc

1. -- Years of experience with bachelor’s degree --

SELECT DevType, EdLevel, YearsCode, ISNULL(ConvertedCompYearly, 0) As NewCompensation

FROM [Stack\_Overflow\_Survey\_2023].[dbo].[survey\_results\_public]

WHERE DevType = 'Data or Business Analyst' AND EdLevel = 'Bachelor’s degree (B.A., B.S., B.Eng., etc.)' AND YearsCodePro != 'NA' AND Industry != 'NA' AND ConvertedCompYearly != 0

GROUP BY DevType, EdLevel, Industry, ResponseId, YearsCode, ConvertedCompYearly

ORDER BY ConvertedCompYearly desc

1. -- Years of experience with Associates degree --

SELECT DevType, EdLevel, YearsCode, ISNULL(ConvertedCompYearly, 0) As NewCompensation

FROM [Stack\_Overflow\_Survey\_2023].[dbo].[survey\_results\_public]

WHERE DevType = 'Data or Business Analyst' AND Edlevel = 'Associate degree (A.A., A.S., etc.)' AND YearsCodePro != 'NA' AND Industry != 'NA' AND ConvertedCompYearly != 0

GROUP BY DevType, EdLevel, Industry, ResponseId, YearsCode, ConvertedCompYearly

ORDER BY ConvertedCompYearly desc

1. -- Years of experience with some college/university study without earning a degree --

SELECT DevType, EdLevel, YearsCode, ISNULL(ConvertedCompYearly, 0) As NewCompensation

FROM [Stack\_Overflow\_Survey\_2023].[dbo].[survey\_results\_public]

WHERE DevType = 'Data or Business Analyst' AND Edlevel = 'Some college/university study without earning a degree' AND YearsCodePro != 'NA' AND Industry != 'NA' AND ConvertedCompYearly != 0

GROUP BY DevType, EdLevel, Industry, ResponseId, YearsCode, ConvertedCompYearly

ORDER BY ConvertedCompYearly desc

-- **What are the top 10 highest paid industries?** –-

UPDATE[Stack\_Overflow\_Survey\_2023].[dbo].[survey\_results\_public] SET ConvertedCompYearly = TRY\_CAST(ConvertedCompYearly AS INT) FROM [Stack\_Overflow\_Survey\_2023].[dbo].[survey\_results\_public]

SELECT Top 10 ConvertedCompYearly, Industry, DevType

FROM [Stack\_Overflow\_Survey\_2023].[dbo].[survey\_results\_public]

WHERE DevType = 'Data or business analyst' and Industry != 'NA' and ConvertedCompYearly!= 0

GROUP BY ConvertedCompYearly, Industry, DevType

ORDER BY ConvertedCompYearly desc