

CONTENT

BUSINESS JUSTIFICATION

ORIGINAL ERD

BUSINESS SOLUTION

STAR SCHEME

PIVOTTABLES WITH LIVE DATA

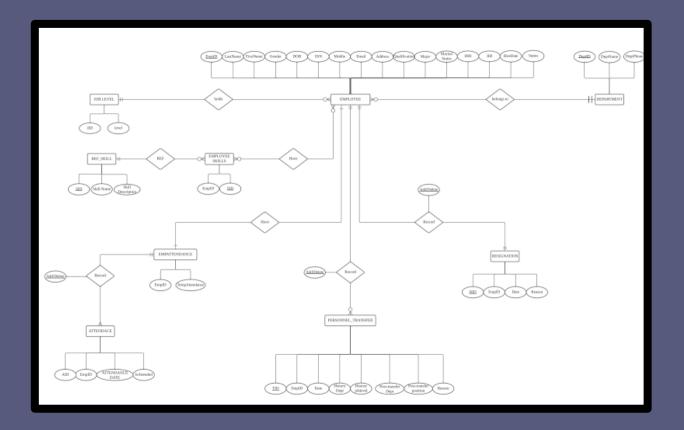
ANSWER 3Ws

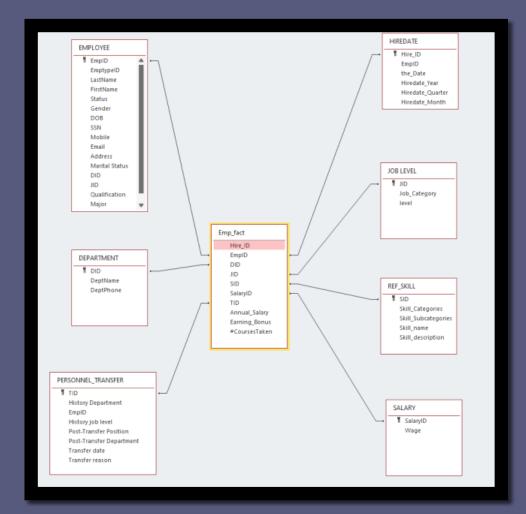
Goals



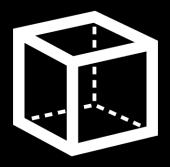
BUSINESS JUSTIFICATION

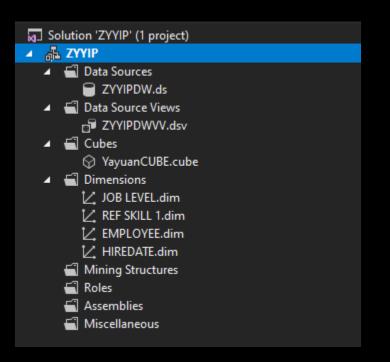
Deployment purpose





Multidimensionality Business Solution



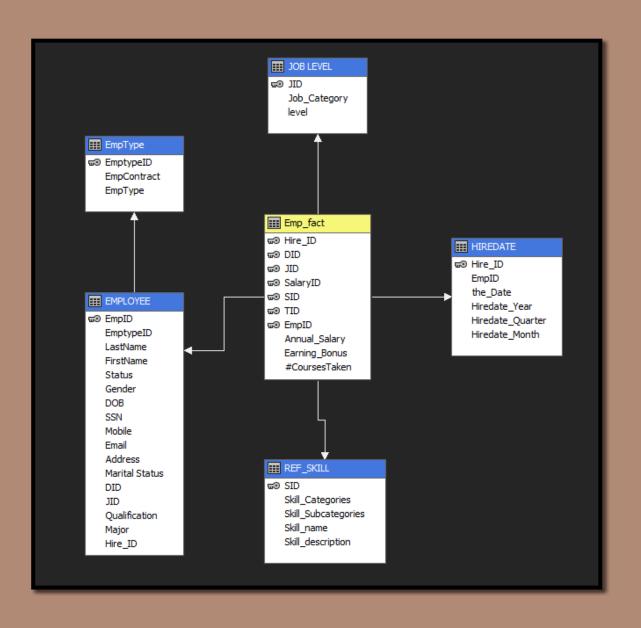


Emp_fact TABLE

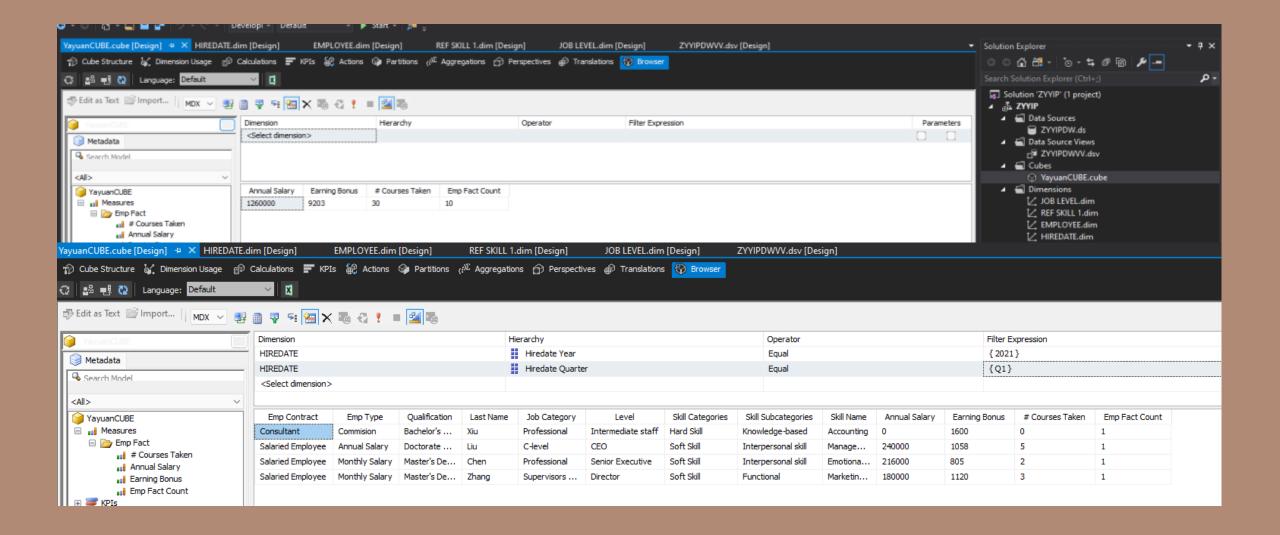
MEASURES

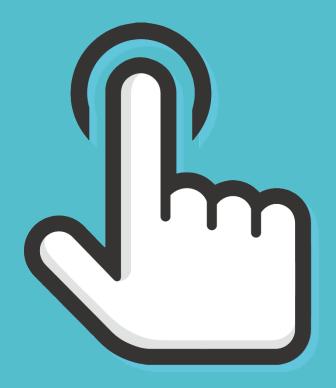
DIMENSIONS

STAR SCHEMA



Showing the data of my SQL Server

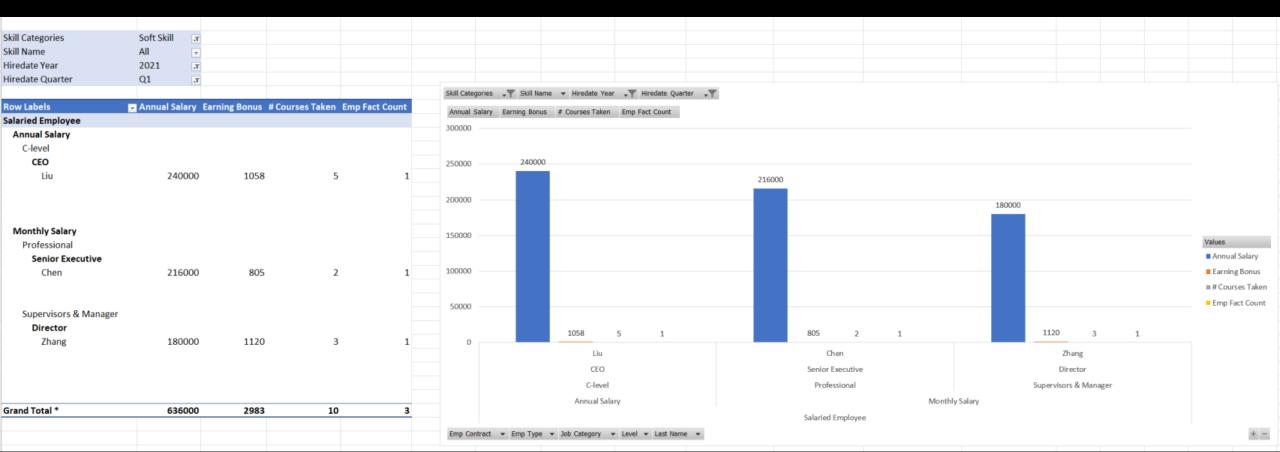




4 business solution on the next page

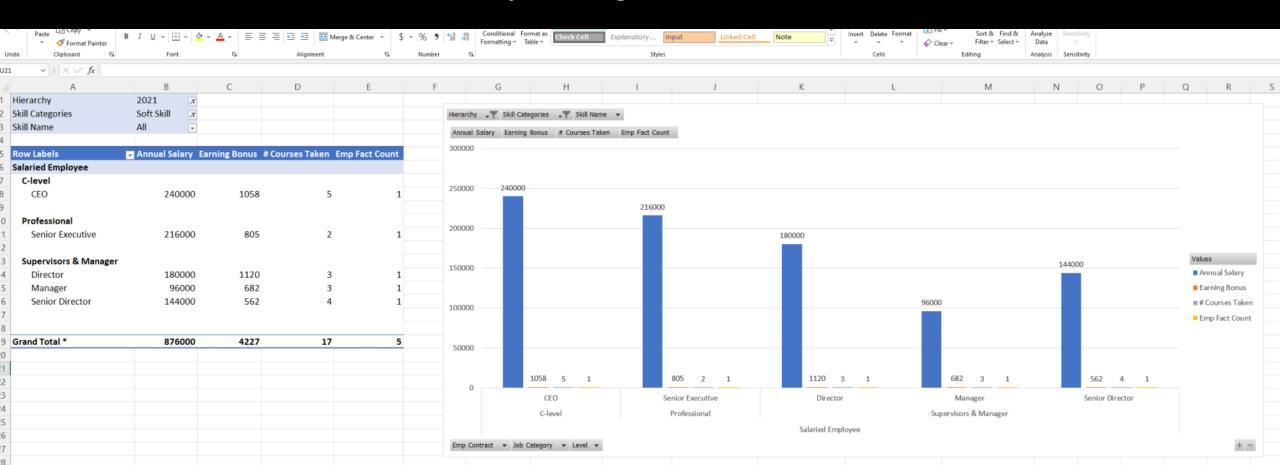


1. Soft skill holder | Hired in 2021 Quarter1
All Emp type | All job level
Annual Salary – Earning Bonus - # Courses Taken



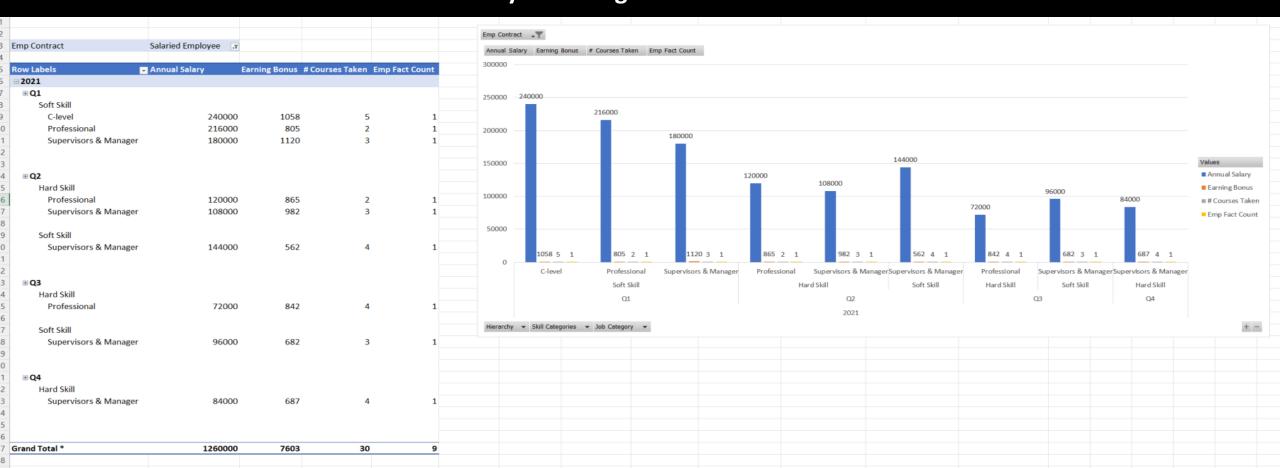


2. Soft skills holder | Number of employees hired in 2021 All employee type | All job level Annual Salary – Earning Bonus - # Courses Taken





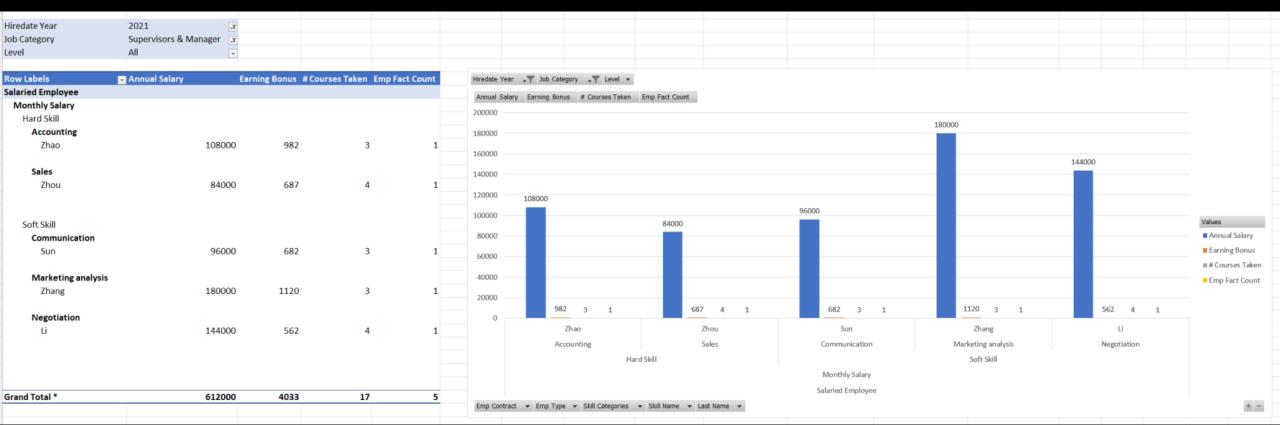
3. Salaried employee, Emp Contract | All time and each quarter All job level | All skill Annual Salary – Earning Bonus - # Courses Taken





4. All job level of Supervisors & Managers | Number of employees hired in 2021

All Employee type | All skill Annual Salary – Earning Bonus - # Courses Taken



3W-What went well?



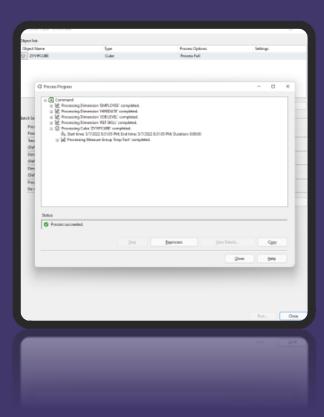
Find the measures – what information will I need?



Operate VS – build a cube, remove the error



Build the PivotTable in Excel



3W-What did no go well?



Sort out and comb the original database

Fact table: Build a fact table

Dimension: Adding more field name in table



Reworking when doing star schema

Data type of field name in design view

Field Name	Data Type
EmpID	Short Text
EmptypeID	Short Text
LastName	Short Text
FirstName	Short Text
Status	Short Text
Gender	Short Text
DOB	Date/Time
SSN	Short Text
890	Short Text

3W-learn a lesson

Refine

• All raw data, attributes, tables as much detail as possible

Check

• Data file(.accdb) has not changed before database up to SQL server

Ensure

• The same ID from different table should be set to same data type (PK&FK)

Do not rush

Do next step until almost done

Thank