

Trainer Profile Project

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Objectives:

- Analyzing and enhancing trainer satisfaction rate.
- Creating a detailed portfolios for each trainer.

Table of Content :

Business Questions.

DataBase Design.

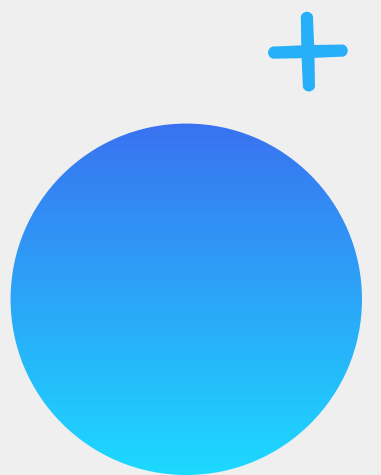
Database Creation.

Data Exploration.

PivotTables.

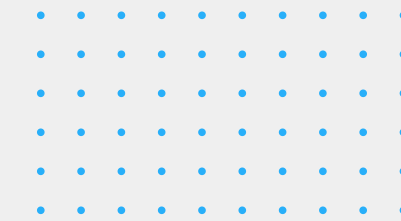
Analysis and Graphs.

Conclusion.



Business Questions

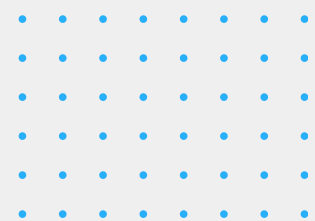
02



Business Questions +

Build database structure for ICEALEX trainers to manage their data and optimize trainers' allocation across ICEALEX programs.

This database should encompass trainer expertise, qualifications, performance metrics, and program history.

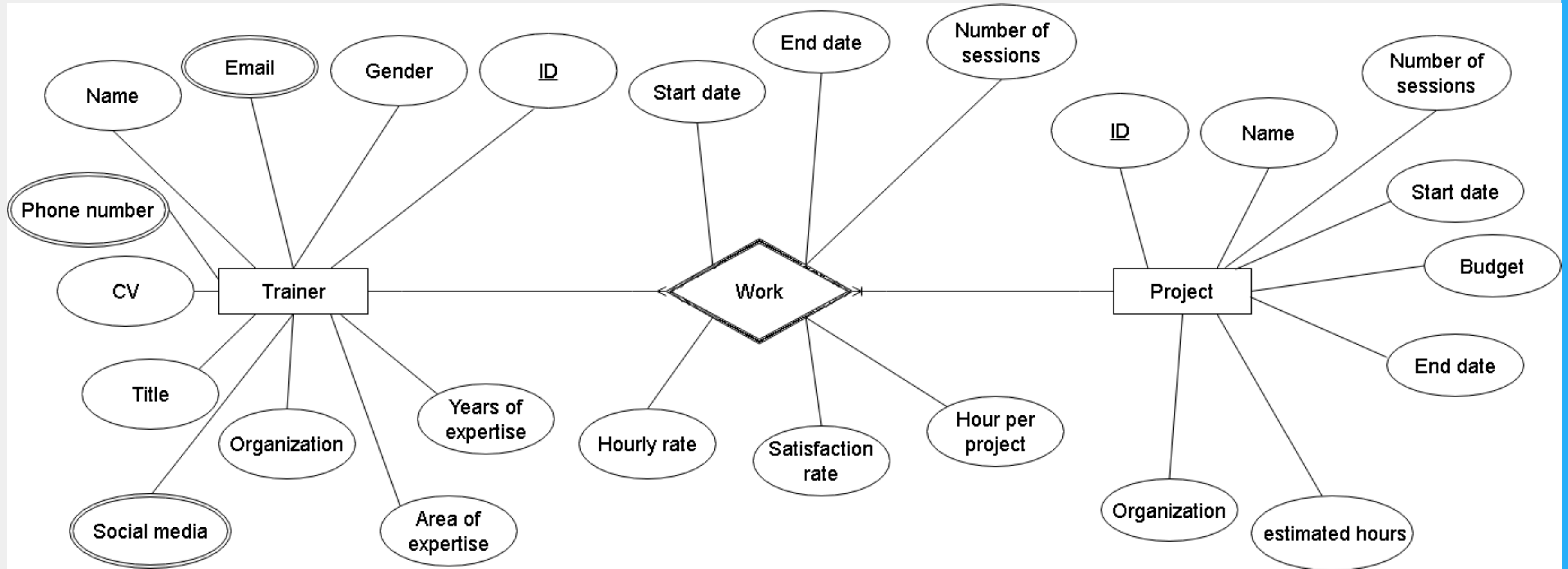


Database Design

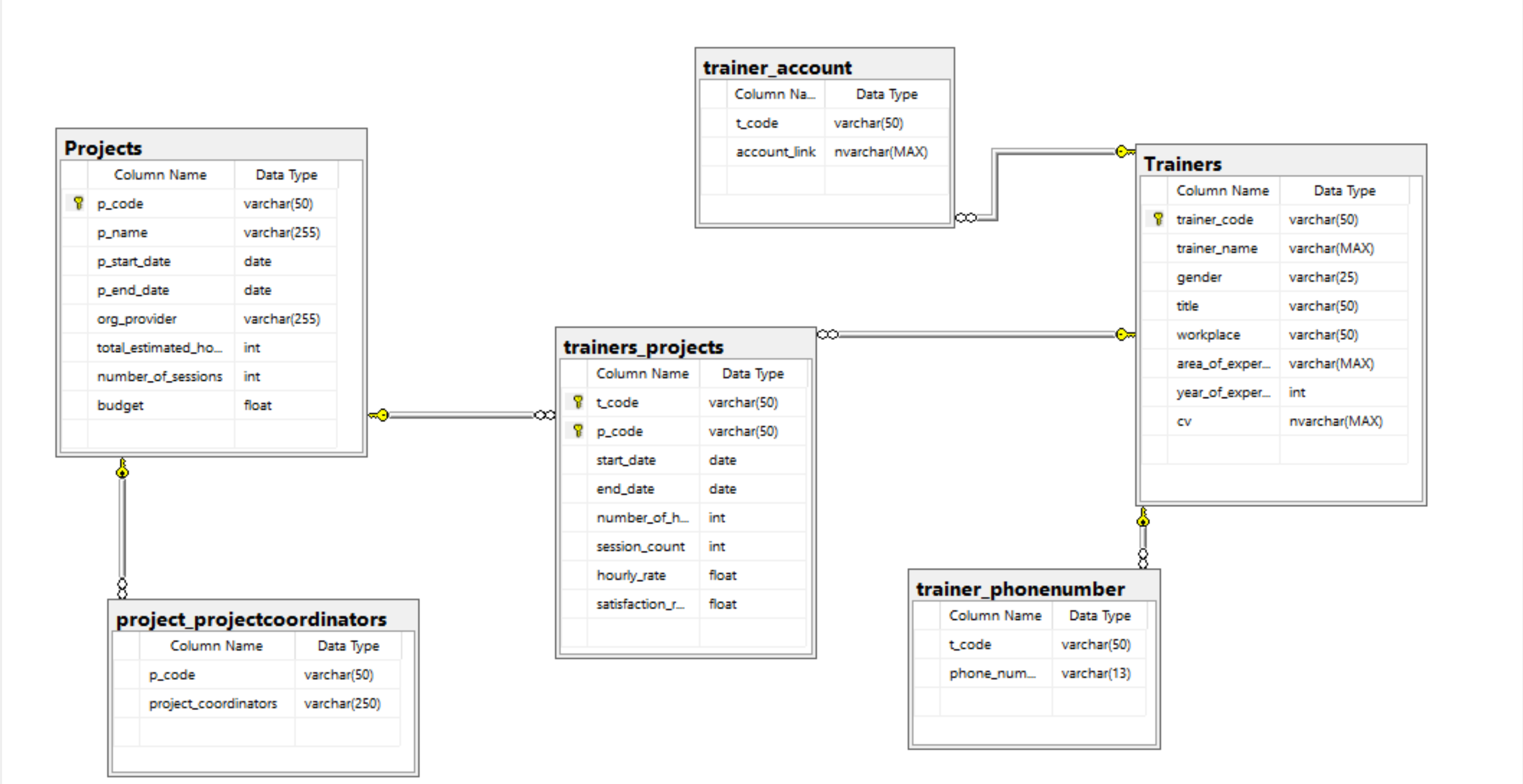
03



ERD: Entity Relationship Diagram

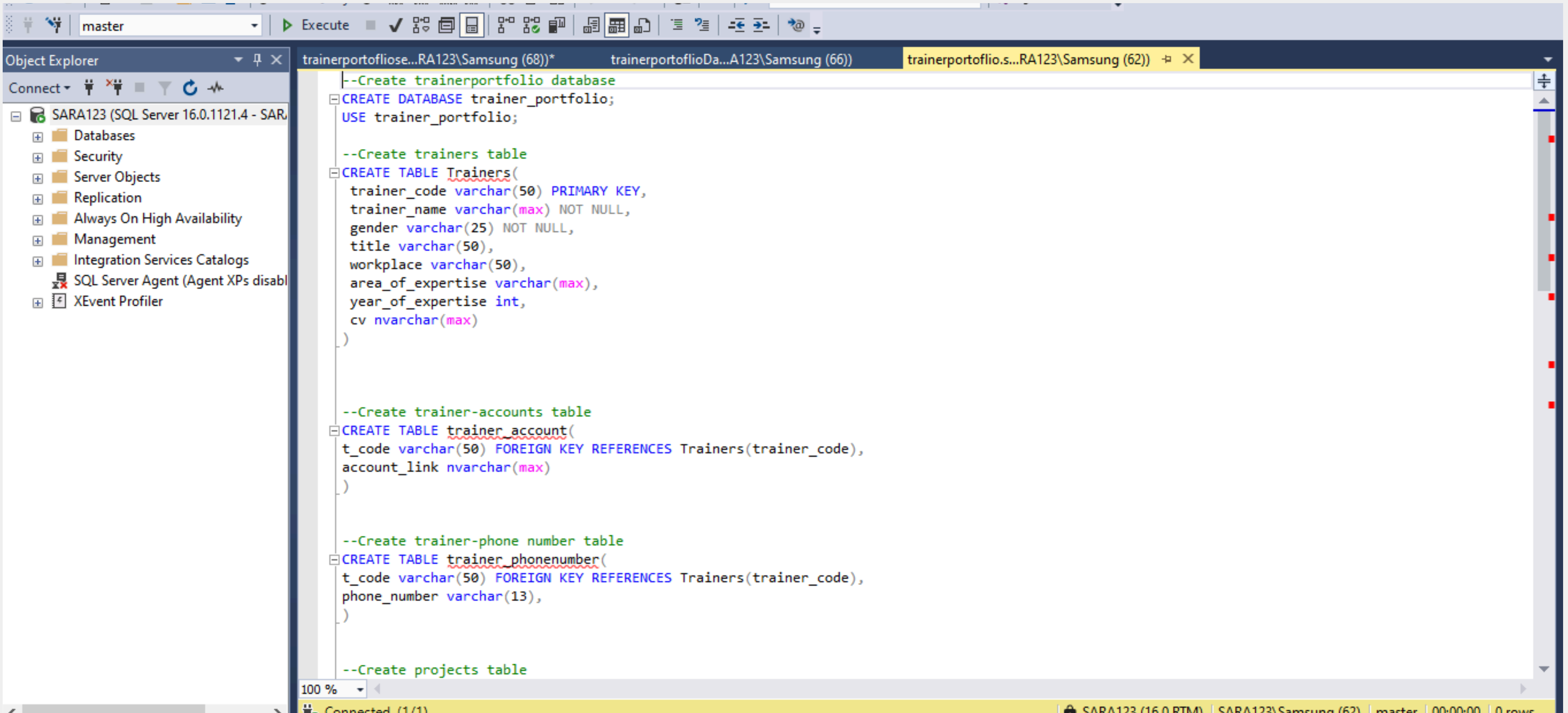


SCHEMA



Database Creation

04



The screenshot shows the SQL Server Enterprise Manager interface. The Object Explorer on the left displays the server hierarchy for 'SARA123 (SQL Server 16.0.1121.4 - SAR...)' with folders for Databases, Security, Server Objects, Replication, Always On High Availability, Management, Integration Services Catalogs, SQL Server Agent (Agent XPs disabled), and XEvent Profiler. The main window displays a SQL script for creating a database and tables. The script is as follows:

```
--Create trainerportfolio database
CREATE DATABASE trainer_portfolio;
USE trainer_portfolio;

--Create trainers table
CREATE TABLE Trainers(
    trainer_code varchar(50) PRIMARY KEY,
    trainer_name varchar(max) NOT NULL,
    gender varchar(25) NOT NULL,
    title varchar(50),
    workplace varchar(50),
    area_of_expertise varchar(max),
    year_of_expertise int,
    cv nvarchar(max)
)

--Create trainer-accounts table
CREATE TABLE trainer_account(
    t_code varchar(50) FOREIGN KEY REFERENCES Trainers(trainer_code),
    account_link nvarchar(max)
)

--Create trainer-phone number table
CREATE TABLE trainer_phonenumber(
    t_code varchar(50) FOREIGN KEY REFERENCES Trainers(trainer_code),
    phone_number varchar(13),
)

--Create projects table
```

The status bar at the bottom indicates the connection is to 'SARA123 (16.0.BTM)' on the 'master' database, with 0 rows affected.

SQL SERVER

Data Exploration

05

Years of Experience	Social Media	CV	...	Projcet 1	Projcet 1 Year	Project 1 hourly rate (EGP)	Project 2	Projcet 2 Year	Project 2 hourly rate (EGP)	Project 3	Projcet 3 Year	Project 3 hourly rate (EGP)	Satification rate %
4	NaN	Na	...	Startups of Alex	2023	400	NaN	NaN	NaN	NaN	NaN	NaN	81.00%
4	NaN	Na	...	TIEC Pre-incubation	2024	600	NaN	NaN	NaN	NaN	NaN	NaN	21.52%
5	NaN	Na	...	Talent4Startups	2024	400	NaN	NaN	NaN	NaN	NaN	NaN	55.81%
6	NaN	Na	...	Startups of Alex	2023	500	NaN	NaN	NaN	NaN	NaN	NaN	57.45%
4	NaN	Na	...	Ladies Startups League Superstar	2023	200	NaN	NaN	NaN	NaN	NaN	NaN	32.19%

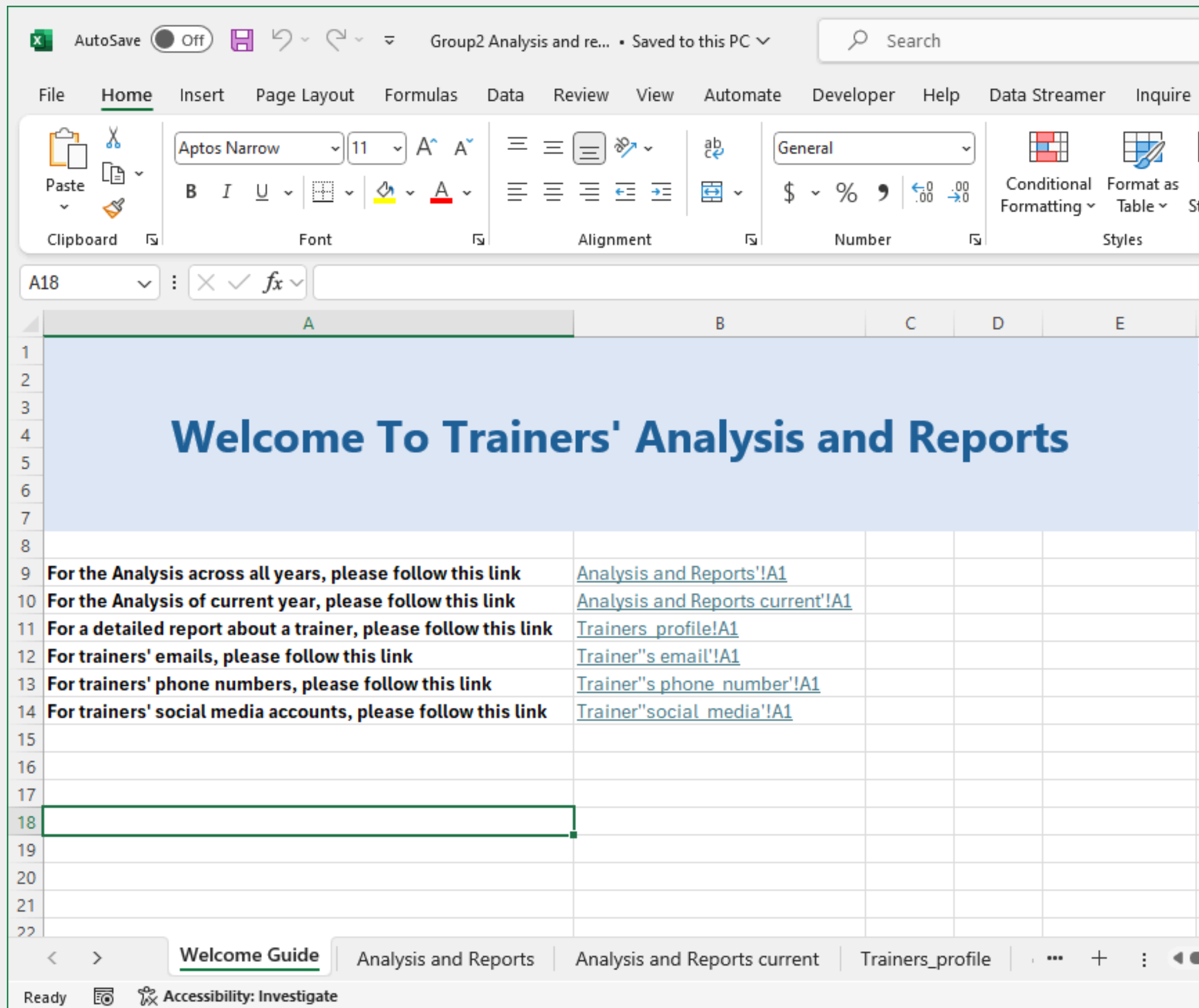


Gender	Title	Area of expertise	Years of Experience	No. Projects Joined	Project	Project_year	Satisfaction rate %	Project_yearly_rate
Female	Business Developer	Business Development	4	1	Startups of Alex	2023	81.00	400.0
Male	Business Consultant	(Business Model) Innovation Consultancy	4	1	TIEC Pre-incubation	2024	21.52	600.0
Female	Marketier	Digital Marketing	5	1	Talent4Startups	2024	55.81	400.0
Male	Business Consultant	Business consultancy	6	1	Startups of Alex	2023	57.45	500.0
Female	Project manager	Impact Management	4	1	Ladies Startups League Superstar	2023	32.19	200.0

Notebook

Pivot Tables

06



AutoSave Off Group2 Analysis and re... Saved to this PC

File Home Insert Page Layout Formulas Data Review View Automate Developer Help Data Streamer Inquire

Paste Clipboard Font Alignment Number Styles

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B I U

General

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Conditional Formatting Format as Table

A18

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

A B C D E

Welcome To Trainers' Analysis and Reports

For the Analysis across all years, please follow this link [Analysis and Reports!A1](#)

For the Analysis of current year, please follow this link [Analysis and Reports current!A1](#)

For a detailed report about a trainer, please follow this link [Trainers_profile!A1](#)

For trainers' emails, please follow this link [Trainer's_email!A1](#)

For trainers' phone numbers, please follow this link [Trainer's_phone_number!A1](#)

For trainers' social media accounts, please follow this link [Trainer's_social_media!A1](#)

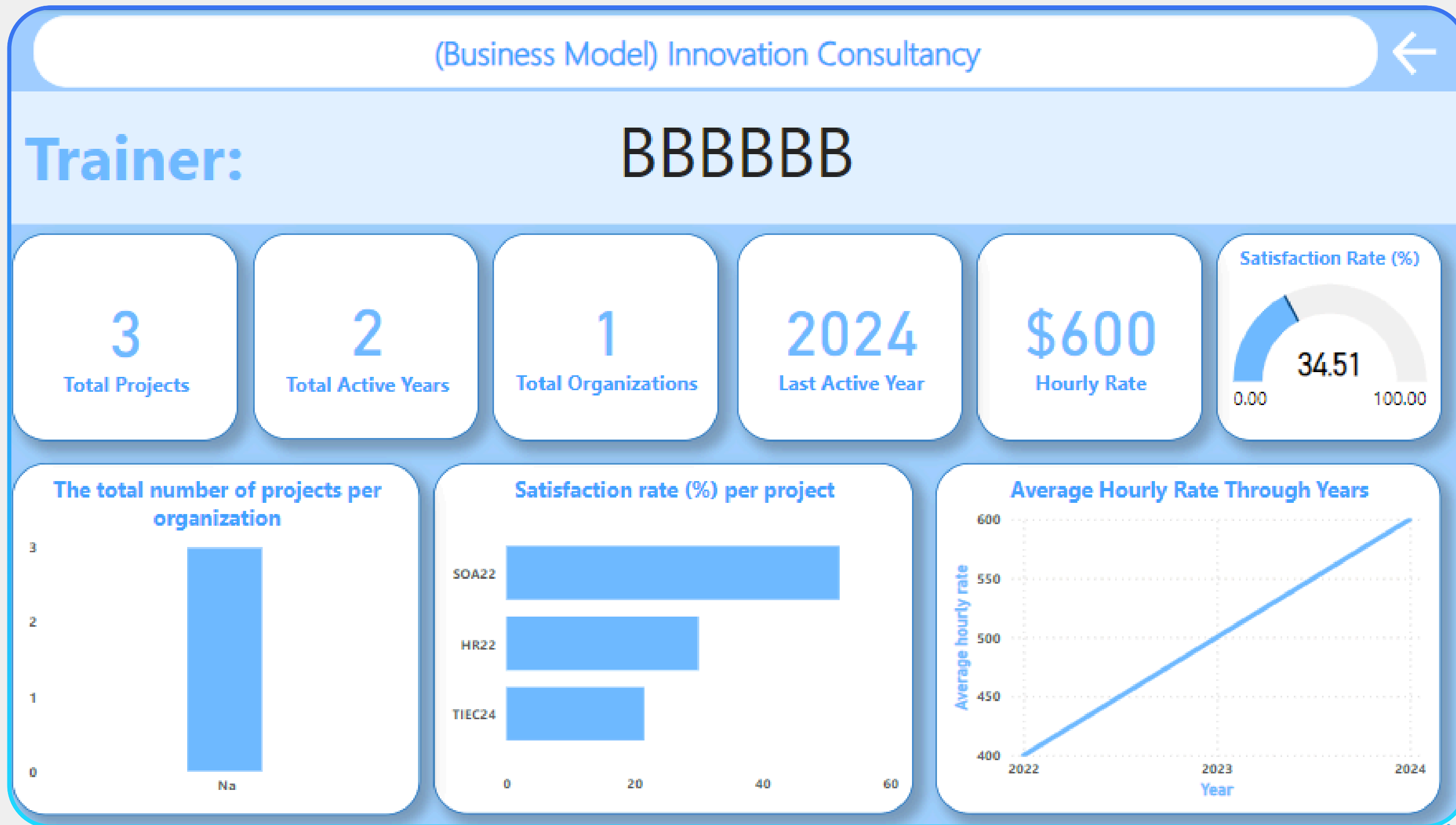
Welcome Guide Analysis and Reports Analysis and Reports current Trainers_profile

Ready Accessibility: Investigate

Pivot Tables

Analysis and Graphs

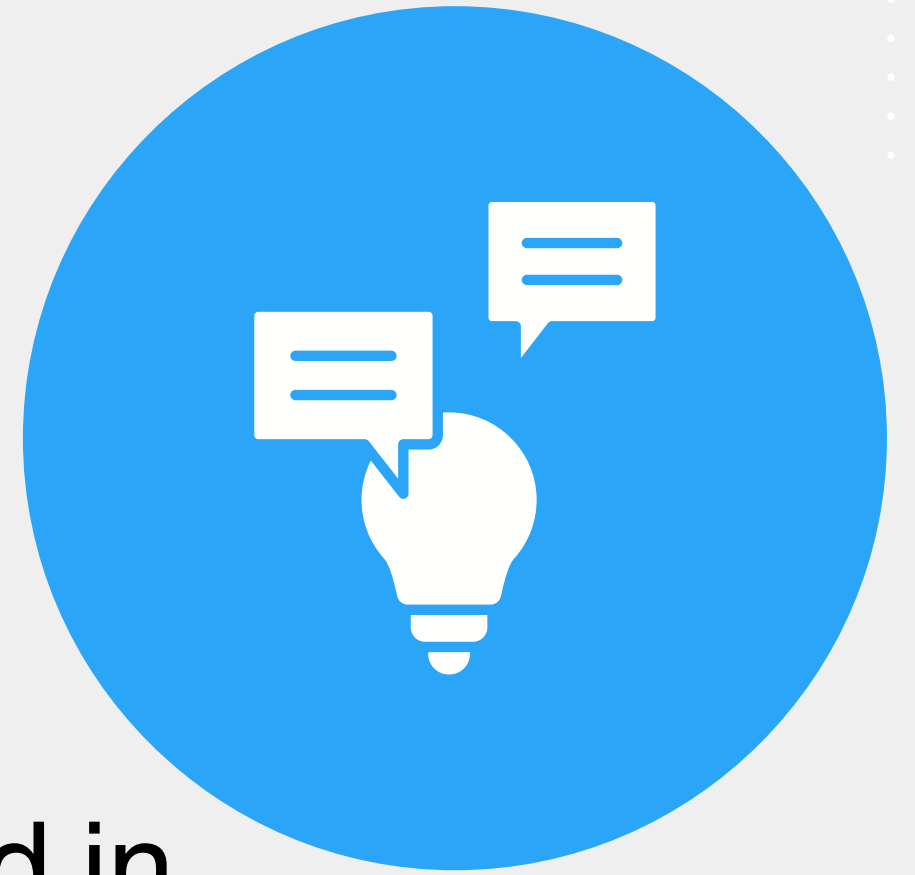
07



Dashboard

Suggestions

- Fill **All** Fields when using the dashboard.
- Categorize the area of expertise to subjects.
- For project code, use the first letter of each word in the project name and the last two digits in the year.
- + • Adding an instant comment section if the rank applied doesn't meet the target value.
- Convert the years of expertise to experience levels.



THANK

YOU

