

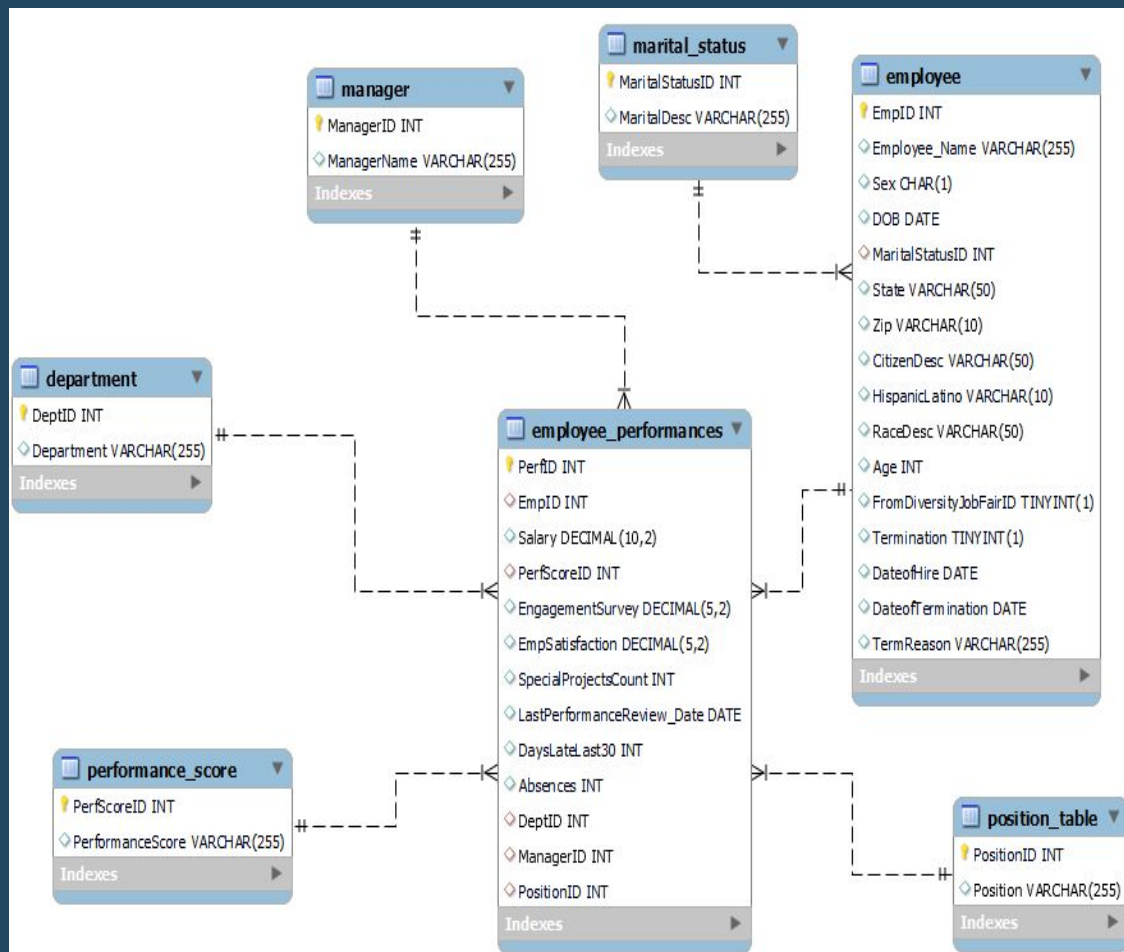
EPICODE DATA ANALYSIS CAPSTONE PROJECT

Created by Matteo Aslam

Generazione di un'app per Business Intelligence.

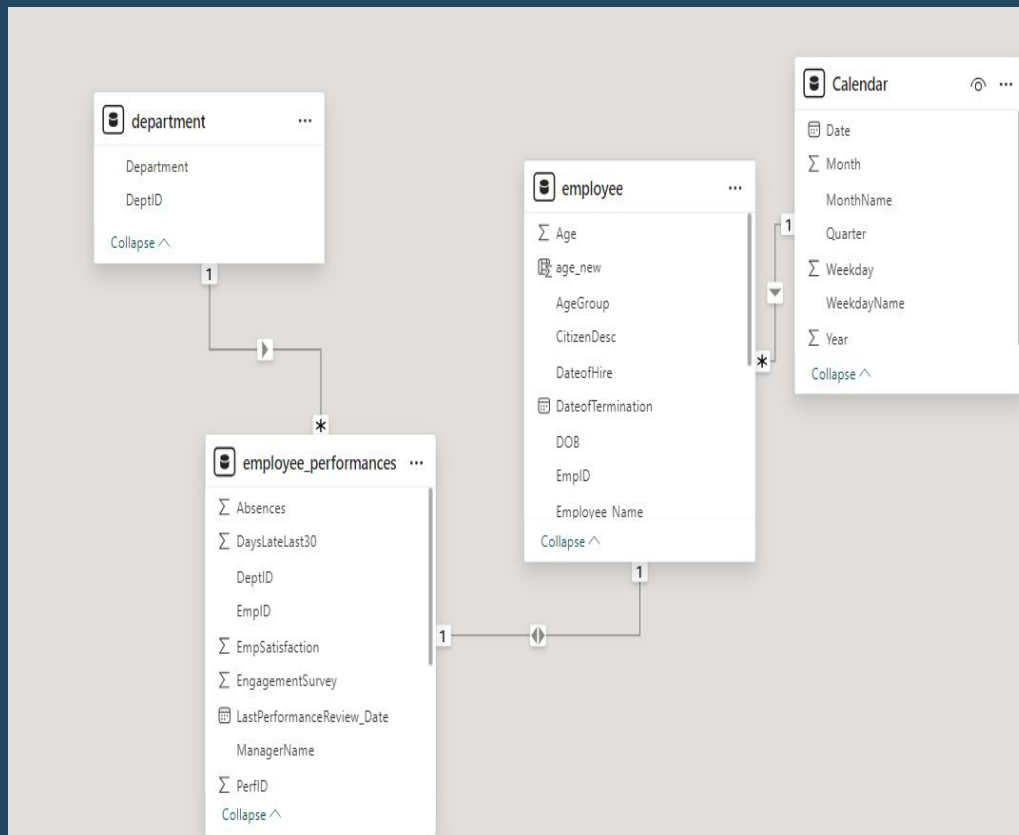
Tramite questo progetto ho generato una demo di un'app per Business Intelligence nella quale è possibile, caricando i dati dentro PowerBI, monitorare lo stato dei dipendenti per quel che riguarda il numero, la distribuzione per sesso, residenza, sede lavorativa, manager, performance score, attrition rate.

Per generare una demo ho creato un Database in SQL riguardante il tema HR, generando un ER e procedendo poi con la creazione delle tabelle e la loro popolazione.



Connessione MySQL WorkBench - PowerBI

Dopo aver generato il database, tramite il connettore di MySQL, ho connesso il database su PowerBI, nel quale ho proceduto a fare un'altra fase di ETL per trasformare le relazioni tra le tabelle importate in uno Star Schema efficace ai fini delle analisi che ho rappresentato nella Dashboard finale.



OVERVIEW PAGE

HR ANALYTICS DASHBOARD

Demographics

Termination

AVERAGE SALARY PER DEPARTMENT

Admin Offices
\$71.791,89

Executive Office
\$250.000,00

IT/IS
\$97.064,64

Production
\$61.212,63

Software Engineering
\$94.989,45

Department

All

Year

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

Total Employee

303

Active Employee

199 66%

Male

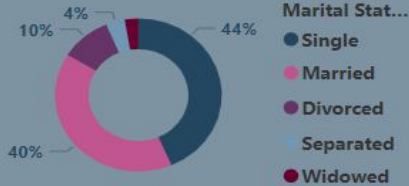
88 29%

Inactive Employee

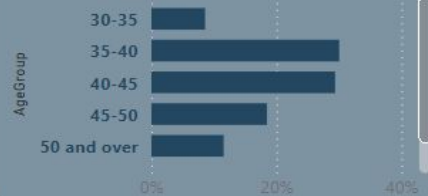
111 37%

104 34%

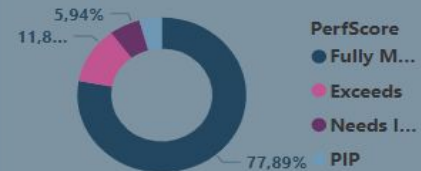
Employee by Marital Status



Employee by Age Group



Employee by Performance



Avg Salary per Race



Employee Satisfaction Level



Employee Regional Distribution



HR ANALYTICS DASHBOARD

Termination

All

All

2018

66%

88

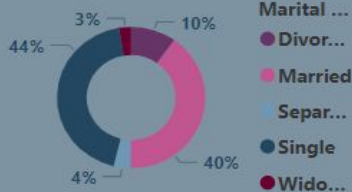
29%

37%

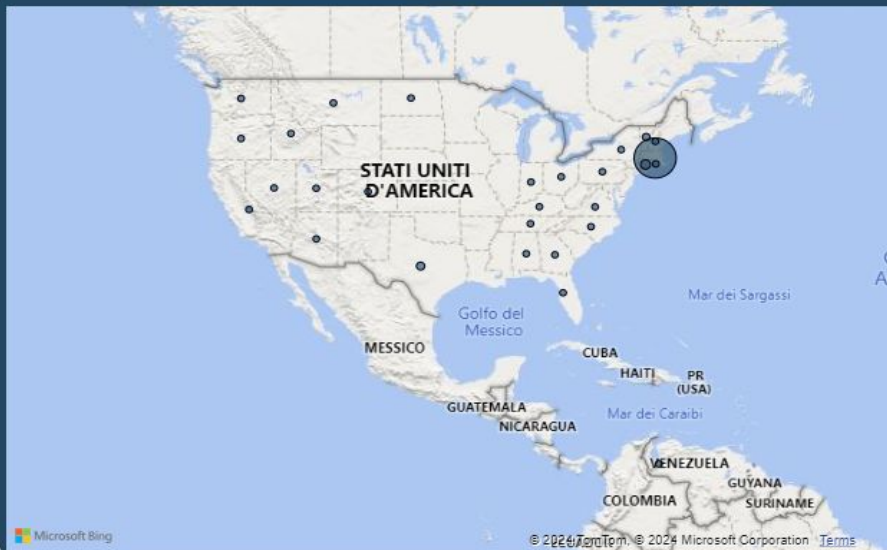
34%

A donut chart illustrating the distribution of marital status among respondents. The chart is divided into five segments: Single (44%), Married (40%), Divorced (10%), Separated (4%), and Widowed (3%). A legend on the right side of the chart lists the categories: Marital ... (partially visible), Divor..., Married, Separ..., Single, and Wido... (partially visible).

Marital Status	Percentage
Single	44%
Married	40%
Divorced	10%
Separated	4%
Widowed	3%



Employee Regional Distribution



TERMINATION PAGE

HR ANALYTICS DASHBOARD

Overview

Demographics

Select Year of reference

N. Inactive Employee

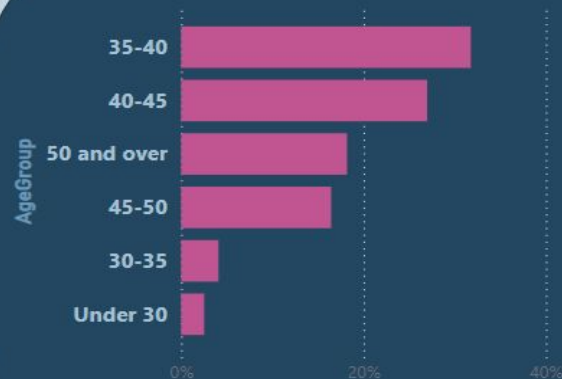
All

104

% of Popular Termination Reason



Termination per Age Group



Termination per Department

Production

IT/IS

Software Engine...

Admin Offices

Most Used Words per Termination Reason

