

# DR. PADMASINI VENUGOPAL

## DATA ANALYST

A dentist-turned-into-Data Analyst with a passion for making meaningful impact and problem-solving. Seeking opportunities to apply analytical skills and contribute to data-driven decision-making in a dynamic professional environment.



## PROJECTS

### Dairy Data Analysis in India from 2019 to 2022

- **Objective:** To Analyze dairy industry data to identify trends and predict future milk production volumes.
- **Role & Responsibilities:** Led the data cleaning process and performed exploratory data analysis.
- **Tools & Technologies Used:** Python, SQL, and Tableau for visualization.
- **Methodology/Approach:** Employed regression analysis, cluster analysis, and time series analysis to interpret the data.
- **Outcomes & Achievements:** Developed a predictive model with 95% accuracy in forecasting milk production volumes.
- **Impact:** The insights helped a dairy cooperative optimize its supply chain and expand its sales to other states in India.

### Instacart, an Online Grocery

- **Objective:** To Analyze Online grocery store data to derive insights and plan strategies for increasing sales.
- **Role & Responsibilities:** Led the data cleaning process and performed exploratory data analysis.
- **Tools & Technologies Used:** Python- Jupyter Notebook and for visualization used Python and presented using Excel.
- **Methodology/Approach:** Employed Data cleaning, checked for its consistency, integrated and grouped the data.
- **Outcomes & Achievements:** Developed a detailed analysis based on customer's behavior and preferences.
- **Impact:** The insights from the analysis helped Instacart to focus more on increased marketing for less-selling products.

### Rockbuster Video Rental Sales Analysis

- **Objective:** The management board expects data-driven answers that they can use for their 2020 company strategy.
- **Role & Responsibilities:** To Perform data cleaning process and detailed exploratory data analysis.
- **Tools & Technologies Used:** PostgreSQL, Microsoft Excel, and Tableau for visualization.
- **Methodology/Approach:** Created an ERD, Performed Data cleaning, Summarized data, and Categorized using Subqueries and Common Table Expression.
- **Outcomes & Achievements:** Achieved results by filtering the top 10 revenue-generating countries and total revenue by continents.
- **Impact:** The analysis insights helped Rockbuster Stealth to improve its strategy and sales.

### Influenza Mortality Analysis

- **Objective:** To help a medical staffing agency that provides temporary workers to clinics and hospitals on an as-needed basis.
- **Role & Responsibilities:** Led the data cleaning process and performed detailed data analysis.
- **Tools & Technologies Used:** Microsoft Excel and Tableau for visualization.
- **Methodology/Approach:** Performed Data Cleaning, statistical analysis, hypothesis testing, and Forecasting.
- **Outcomes & Achievements:** Developed a thorough analysis and forecast on the effects of Influenza for the upcoming year based on states of the US.
- **Impact:** The insights helped to deploy more staff to the highest mortality states to prevent more flu deaths.

## PERSONAL DETAILS

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## SKILLS

- **Productivity Tools:** Microsoft PowerPoint, Microsoft Excel, Microsoft Word
- **Data Analysis:** Data Clean-ups, Data Visualization, Data Integration, Descriptive Analysis, Hypothesis testing, Statistical Analysis
- **Visualization Tools:** Tableau
- **Programming Language:** Python
- **Database:** SQL
- **Versioning Tool:** Git
- **Administration Skills:** Team Player, Client Relationship Management, Time Keeper, Clinical Management, Effective in Communication

## EDUCATION

- **Data Analytics Program,**  
CareerFoundary, Germany  
September 2022 — July 2023
- **Bachelors in Dental Surgery,**  
Tamil Nadu Dr. M.G.R. Medical University, Chennai, India  
September 2012 — March 2018

## PROJECTS

### GameCo's Sales Analysis

- **Objective:** To develop new games with the data and to better understand the market.
- **Role & Responsibilities:** To perform data cleaning and detailed data analysis.
- **Tools & Technologies Used:** Microsoft Excel and Microsoft PowerPoint.
- **Methodology/Approach:** Performed Data cleaning, grouping, and Data Integration using VLOOKUP, Derived new variables, and Visualized using Microsoft Excel.
- **Outcomes & Achievements:** Developed a predictive analysis on why North American sales have been lower in recent years.
- **Impact:** The insights helped GameCo's marketing team to focus more on developing new games based on trends and boosting sales of underperforming genres.

## PROFESSIONAL EXPERIENCE

### SR. RESIDENT DENTIST

Ananthi's Dental clinic & Implant Centre, Chennai

January 2020 - April 2022

- Knowledge of the usage of various pharmaceutical drugs.
- Experienced in working with tools like Microsoft Office and dental software for radiological purposes.
- Responsible for clinical data management according to ethical healthcare regulations.

### RESIDENT DENTIST & ASSOCIATE MANAGER

Q- Tacticz, Chennai

December 2018 - December 2019

- Proficient at cultivating and maintaining excellent connections with corporate clients. Additionally Planned and executed corporate office camps.
- Increased skill in resolving insurance-related situations, improving efficacy in managing complexity.
- Trusted with the management of clinical financial accounts.

### RESIDENT DENTIST

Ananthi's Dental clinic & Implant Centre, Chennai

April 2018 - November 2018

- Gained expertise in providing treatment and communicating effectively with patients.
- Improved adaptability to various new dental procedures and stayed updated on the latest technologies.
- Developed Knowledge in clinical data collection, analysis, and management.

### JUNIOR RESIDENT INTERN

Tagore Dental College, Chennai

April 2017 - March 2018

- Improved technical skills and accountability for assisting projects and research documentation.
- Developed the ability to manage time efficiently and learned to work in teams to deliver proper healthcare.

## LANGUAGES

- **ENGLISH** - Business Proficiency
- **GERMAN** - Basic Proficiency

## HOBBIES

- Dancing
- Travelling
- Reading fiction books