

TERMINTERNSHIP



ANKAPALLI BULLAYYA COLLEGE VISAKHAPATNAM

Acknowledgements

This powerbi presentation on topic " Medical Malpracti cus and insunance database" with product In's, usens, insurances, amount Etc, data was made possible through the contributions of Several Individual and organizations we acknowledge the power bi community for their variable nesounces, totomiaes, and formus that aided in our project development. We that for creating a powerful and intutive platform for data visulization and analysis, we thank for their Expertise in purchasus and salus growth, which informed our predictive mode se thank for data providing of data related to salvs used in the Project. we thank our team members for their brutrisbutions to data analysis and visuozation nd insighte, we acknowledge organization for providing resources. Finally we tank our team members for

hein contributions and hard work. to this project.

Contents

- 1: EXECUTIVE SUMMARY
- 2: OVERVIEW OF THE ORGANIZATION
- 3: INTERNSHIP PART
- 4: ACTIVITY LOG FOR THE EIGHT WEEKS
- 5: WEEKLY REPORTS
- 6: OUTCOMES DESCRIPTION
- 7: Student Self Evaluation of the Short-Term Internship
- 8: Evaluation by the Supervisor of the Intern Organization
- 9: PHOTOS & VIDEO LINKS
- 10: ASSESSMENT STATEMENT

chapter 1: Executive summary, description of the section of business Internongamation.

Smant bridge openatus in the data analytivo section aproviding inhovating solutions to Enhance business intelligence the organization leverages power

making.

learning objectives and outcomes.

- I understand power bi fundamentals.
- 9. Data modeling
- 3. proficercy in power bi tools
- 4. Data cleaning & transformation.
- 5. Data visulization.
- 6. Report Design and Sharing.

summary of intenship Activities.

- 1. Attending live training sessions, and praient met oning sessions.
- 2. Selection of topics Analysis of Election in India. Medical marphaeticus and insurancus database in united status of Acmerica.
- 3. Team tenmation and assignment of tasks to team members.
- 4. Designing Developing intractive dashbonds, stony, nepont on project using power BI.
- 5. Drafting a project video demonstration and pricpana tion of final napont. Page No

chapter & overview of the organization.

Smart sidge is a platform that offers vistral internship to the students. The platforms ideal is to prepare students be the sob market by establishing a cooperative relationship between industry neadenic. Smart bridge partners with companies such as google to offer vistral internships. The internships provide students with hands on experiments with the latest technologies and enable project based learning. Smart bridge's flagship went is the "summer intership propriam". The program develops students skills in energing technologies. i.e. i) Artificial Intelligence all machine learning.

Or garisation's objective:

swart bridge's main objective is to bridge the existing gaps between prevailing industry standards and what the academics offers to the graduates while passing but of university. Smart bridge offers suitable skill development of training to the young talent before on boarding their first into their skill development programs are designed considering the present in demand skills in the industry.

therefore the main objective of smart bridge is providing internship for every student promote industry opposed professional electives become a talent factors of India by 2026.

Chapter 3: Intenship Part

Description of the Acities Inesponsibilities undertaken

- D Registering the with APSCHE Smort intoship envioling Jan Smort bridge's data analyties counterie tive training sellion as Per the Bre-Scheduled twoining kalender.
- 2) Participating weekly quize completing weekly assignment
- 3) Conathoning Team formation detection of Broject topic. " Medical Malphactics and Insurnes database in united states of America.
- 9 Conothoning cleaning of analyzing the excel dada soll of the Project topic. " Medicon mel produces and Insurances data buse".
- 5) Attending Project montooning socion and designing and developing interedive dush board Reford on the Broject topk using Power
- web intergration of above Project deliverables with teamit web large using visual studio code, Drafting a Broject video domostration
- F) Submission of team broject via upleading the broject files in withob Repository of the team.

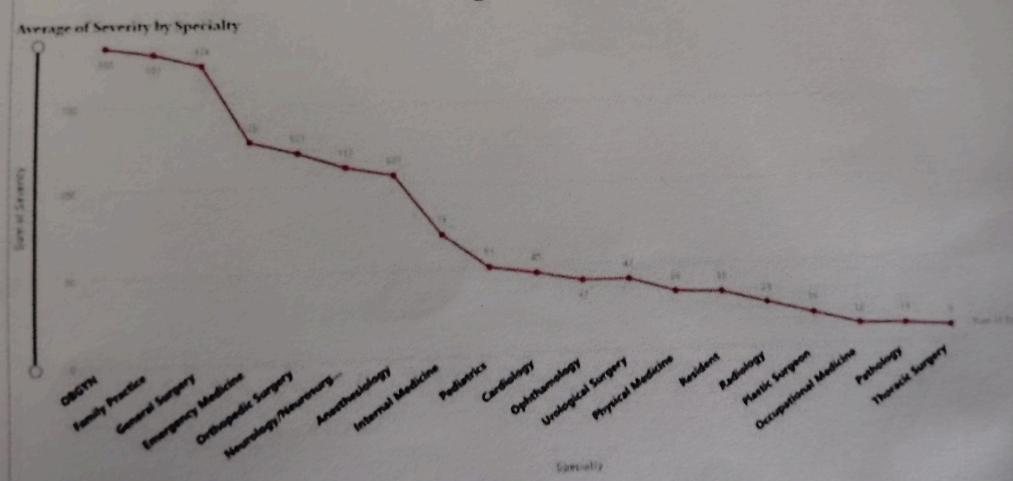
percentage of the amount by the different age groups

Sum of Amount by Age

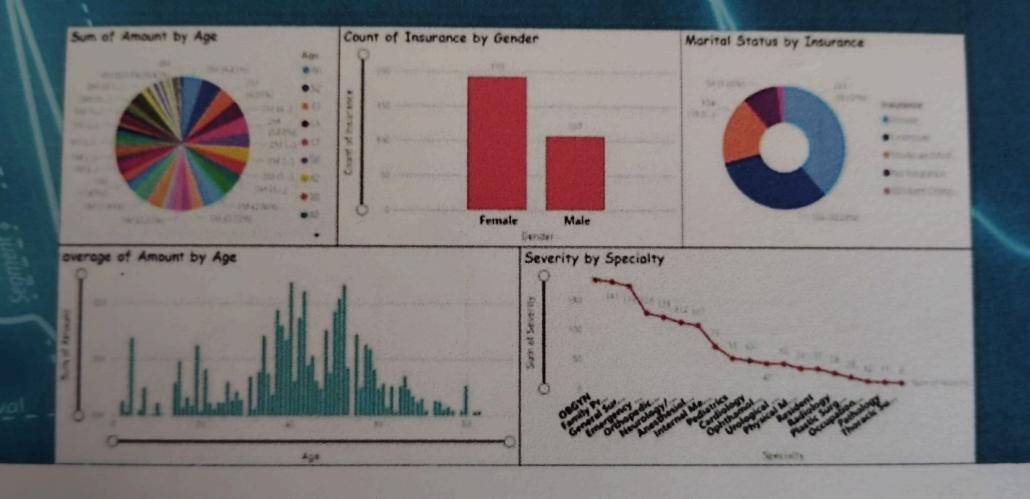
OH (0.51%) (0.15%)
OH (0.58%)
OH (0.58%)
IN (1.02%)
IN (1.02%) IM (1.53%) IM (1.58%) 1M (1.69%) TH (1.97%) 2M (4.02%) 2M (4.75%) 2M (4.51%) 1M (2.88%) 1M (2.8%) 1H (2.94%) ZM (3.08%) 2M (4.23%) 2M (3,83%) ZM (3.27%) 2M (3.52%)



comparison of insurance between two different genders



Medical Malpractice : Insurance Database

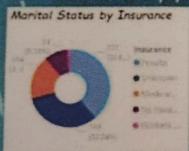


Total claims by marital status and severity rating



Medical malpractice: Insurance database

Distribution of claim paymeny by different age groups



Marital Status by Laurence." It simpleys the distribution of morital statumes bused on different types of insurance. Here's a brooksions of the dess presented in the

Princia Intermed (represented in orange):

Number of people: 223 Percentage: 38.6% Medicare Insurance (represented in test):

Distribution of claim payment by

different age group

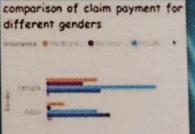
part shows claim payments ranging tel to 244.

r sticell represent IM or EM

About detaset

y to a recount state published in the US blows and World Report the cost of majoraction is the Linked Soutes in \$65.5 billion a year, which is 2.4 percent of majorace allegates. Another 2011 study published in the Nebr England Journal of bound purch-care change. Another 2011 study published in the New Yinghand Journal of studies revealed the control of during the period 1991 to 2009, 7,4% of all physicians formed in the US had proporactive claim. These stuggering numbers myt only contribute to the high cost of health costs, but the size of accessful milyricities claims also contributes to high premium for medical malgractics inscrunce.

comparison of claim between gender



South of the Automotive

Amount - Amount of the claim payment in

Severtly - The severity reting of damage to the patient, from I (emotioned trauma) So 9 (death)

Age - Age of the claiment in years right Attorney - Whether the claiment represented by a private attorney of Status - Moretal status of the

My - Specialty of the physician areas - Type of medical insurance

Gentler - Retient Gender

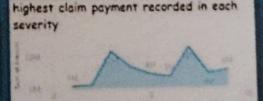
I. "Family";

Live

"Private Improved" (represented a post): The largest has been the highest could am families, suggesting that private discretifing the easy resonant group the paster.
"Manifestativitational Engineers" (representing in book A stages has believing a sea

Sant of American Congruented in black A short for making a sant of sants

Highest claim payment recorded in each severity



Date Peins Senetty 2: 136 Security 3: 128 (Sout) Sciently & 786 Severity & 4M Sempley 7- 13th (Highest Peak) Severely & 486

Severity # 548

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily	Learning Outcome	Person In- Charge Signature
Day - 1	components of	clear view on every component required	
Day - 2	power BR in action and its architecture	visible insights and sales format	
Day - 3	Power query and Evansformation Operations	clarity about etc took	
Day - 4	Tools present in power BI Desktop	clear view on each and every tool present	
Day - 5	Analysing the data in different types	Learned about practicality on data usage	
Day -6			

Objective of the Activity Done: The thoduction to power BT Detailed Report:
Detailed Report: Agenda of data Analytico includos
understanding the fundamentals of power 137
and the importance of data analystics in
business decesion manketing.
- Completed introduction session on theint
enship encluding this intofface models on
powy BI including items intoface, key po
into and comportents.
->71+ developed a fundementar understandi
ng of power BI
connected to different data sounces and
pen tonmed basic data cleaning.
o Cheated a simple nepont showcasing
asic visulazation such as box chants and
line graphs.
participated in a workshop on basic
ata cleaning and trianston techeniques.
Detunded on on saccing
Detended on on sessions on intensh
obstivus and de wvenablus.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	Data collection and data cleaning	Learned about the process of in DA	
Day - 2	Differentiated between story board, Dashboard and report	differenced about between contents to represent	
Day - 3	the usage with power	Learned the usage of data structure	
Day - 4	Revised on topics as far completed	clear view with the usage of power BI	
Day - 5			
Day -6			

Detailed Report: This week dedicated to mastering date importing and modeling with Down BT
They seems the arctivity the first seems
date importing and modering with power BI
=> Expoloned different data connector available
In power BT Such as Excel Sql database and
online Senvicus
- learning about the ETL (Extract, transpor
+ lead) process within power BT.
- practiced data modeling technique, includin
g creating relationships between tablus, using
DAX (Date Analysic Expressions) functions
ond desinging calculated columns.
> Successfully imported datasets from multi
olc sounces tuto powin BI.
Built a nobust data model with well
defined melationships.
ouse of DAX to cheate calculated columns
nd measures.
used to cheate Calculated analysis.
The state of the s

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	tresearch the additional	Additional information about power BP	
Day - 2 23/07/24	Revised about data collection and data cleaning	Learned about starting process in DA	
Day - 3 24 01 24	Revised about the	clear view on visualisation part	
Day - 4 25 lo 1/24	DAX and DAX functions	clear view on DAX functions	
Day - 5 26 lorl24	All the functions Present in power 82	functions to apply	the
Day -6			

WEEK-3 (From Dtto Dt)
Objective of the Actuvity Done: Data Visuwzation
Detailed Report: This week foused on cheating
Effective and interpative data visulations
In powy BT.
Istudied various visulizations openations
avoidable in power BI including advoutaged
Create, majos, and Custom Lisualis.
Topanticiped in a bands on session to desi
-gn m to active dashboards with slicers.
Hutro and drill thonoughs.
to learned best practions for choosing appa
ito visualization ten insitus.
7 implemented introcesting teamough slicus
and tilenes amon usens to explore the
data dynamically.
nescriting the dash bond to porter ton
Heedback

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	tactors in DAX	learned about expressions and functions in DAX	
Day - 2	Mox about filters functions in DAX	clearview on different views	
Day - 3	Preparation for grand assessment	Prepared for test	
Day - 4	Preparation for grand assessment	Prepared for test	
Day - 5	Grand assessment test	grand gare the	
Day -6			

Objective of the Activity Done: Advanced date Analysis Detailed Report: This week was dedicted to deep ending our understanding of DAY ton advoutaged data analysis. -> completed advortaged DAX treaining models coverting topicus as time intellig encus advanced tileting management. o wonked on a case Study that neguined cheating complex measured to colculati -> Collabreating with press to topt box DAY nelated visual in our dat visuals. 7 Developed profilierry in writing com DAY Expressions 7 Applied times intelligence functions onaiging trends our time 7 Improved the according and Efficiency of data models using - advanced

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	Optimising power B2 Report	clear view on optimising	
Day - 2	Implementation of Incremental data	Learned about DA with huge dataset	
Day - 3	Application in business scales	elear view onnegal-time applications	
Day - 4	Application of techniques to size data models	Learned about sizeing data models	
Day - 5 9 108124	Learned about users information with reports	clear view on report based data.	
Day -6			

WEEK-5 (From Dt To Dt)
Objective of the Activity Done:
Detailed Report: Theat would case study
The Jounth week we on apply
POWER BT Skills to a near would skills
analysis Case Study.
Decelved a dashbond nepnesting saws
data from a financial company.
Defined key puntonmance indicators
(11 1) Such as Salvs growth Customs a
accquistorn and product portonning acqu
ne portonmances.
-> Created a Compresh sive Salus dashbonds
The same dash non de
that highling Chus husiness decharact
that highing Chus business techiniques
Twat highing crows business techniques to used data Stonytelling techniques to
Twat highling Crows business techniques of used data Stonytelling techniques to Communicates fundings effices.
Twat highing Crows business techniques of used data Stonytelling techniques to Communicates fundings effices. The Received positive feedback from member.
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Twat highling Crows business techniques of used data Stonytelling techniques to Communicates fundings effices.
That highting Churs business techniques to used data Stonytelling techniques to Communicates fundings Ethius. The Received positive feedback from member of the practical applications of Down BT

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person La- Charge Signature
Day - 1 03/07/24	Introduction of data analysis and interproted data visualization	Analysis of the	
Day - 2 อนไฮปี24	Agenda and undersbanding consumes	clearview of business problem and its solution	
Day - 3	types of analysics process and download of power BI	clear analysis on DA tools and proce regarding it.	93
Day - 4			
Day - 5			
Day -6			

WEEKLY REPORT to Dt
Objective of the Activity Done: Detailed Report: Detailed Report:
Detailed Report: The seals of and the Delivery
INS WELL JOCOGE OF OPTIME
3ing power BI neponts ton portonning
and Scalabitily
· learned about power BI nepont optim
sin techniques including data neduction
Efficient use of DAX, and queony opti
mization.
Timplemented inchement data neports
to improve load times.
+ Explored best practices for manages last
ge dashborry neducing memory usagus
2 optimizing Existing neponts to load tast
boy and hand long on dashhand
applied techniques to neduce the size
of data models without losing creating
In formation.

ACTIVITY LOG FOR THE FIRST WEEK

			Mark of the
Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day-1 12/8/24	-formation of -team	cliar lieus on-team	
Day-2	project scope and objectives	clear lieu on projectassigned	
Day-3	Aggregation d- public reports	seggration of_ data analysis	
Day-4	configured public	Reviewed seef on dataset	
Day-5	tudback on accessibility with publisher suport	clear liew on outcome of supouls	
Day –6			

WEEK-7 (From Dt...... to Dt.....)

Objective of the Activity Done: Project world presentation Detailed Report:
Detailed Report: In thus week, we completed the
project by netinding own neponts and dashboards
we focused on enhancing the visual
apped and usability of the dash boardsby
adding interactive Elements and ensuring
-ng by adding Intranting Elements dat
-a accumatuly
-> The week culmoned with a prosent
ation to the smart Inthz team, where
a presentation to the finding, Expla
ining the methodogies and demonstrated
how the set business problems.
The project was well newood, manke
ting a successful conclusions to the Int
enship.
REPORT OF THE PARTY OF THE PART

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day-1	presenting actionable insights	clear dieux on Pictorial representation	
Day-2 20/8/24	presenting the dashboard and reports	Kepresenting ten tinal output	
Day - 3	Collaborations tile uploading	to an members in team	
Day-4	The discourse on dashboard, report	Clear diction work done in DA	
Day-5 3/8/24	submission d-	sebmited to menton	
Day -6			

Describe the work environment you have experienced (in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

Description of work Environment:
The Intenship at sma -nt bridge has been a transformation Expendence, Equain - 9, Equpping me with practical skills in data Analysis an -d a deep undenstanding of the note of power bi in the Industry The handson Expensione and Exposure to near would projects has not only sharpend my techical abilities but has also loved my communication skills and proj ect management skills the work Environment forthor the collewing atmosts with procedures, the facilities where Equipced with neccessary tools ton data support and team work, contributing provided have munious nelationships over our in data analytive with in a weet organized and sceptive work Environmen

Describe the real time technical skills you have acquired (in terms of the job-related skills and hands on experience)

Description of techinical skills acquired.

- -> Data analysis: portonning in Examaning and interprinting Europe and interprinting Europe and interprinting Europe
- statistical Analysis: undopstanding and applying statistical methodus to deriveve insights
- -> Data visulization: mostrly in Creating Compelling visuals
 zation for Effective communication of data.
- -> Analytics tools proficiency: porficiency with web based tools like Ms Excel, power BI, google colob, ton analytics and visulaizations
- -> programming language: knowledge and expedice in sytho -n programming language.
- -> visulowzation generation: Skills in developing interpactive Tashbonds, comprehensive neponts, nannative stonius.
 - -> problem solving: Developing solution to challengus encountined during date analysis.

Describe the managerial skills you have acquired (in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc.

- Description of the management skills acquired: sproject management: Coordinating tasks, setting goals
 and Ensuring the timely complection the data onaly sis.
- -> Team Collaboration: working Effectively in a group setting delegating tosles, and fustering a Collaborative Environment.
- and making dewsions to achive project objections.
- and officently allocating nesources.
- problem solving was team: According challenges collections and finding solutions through group discussions on a communications.
- -> purelying Assumance: Ensuring the Accumancy and que wity of the data analysis project delivenables by the team.
- Treed back and Improvement: providing constructive tedback total members and actively participating in improvement processes.

Describe how you could improve your communication skills (in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,)

Description of communication skills.

- -> Technical communication: convening complex data.

 analytics concepts and findings.
- on presentation skills: creating and delivering engaging presentation to communicate insighter , dash boards, visulization and projects.
- Trom collaboration: collaborating with team members to shape intermation, disussus project with team members.
- -ole to presitation and training and necessing tedbacks to tasting a colone of wintin improvement.
- -> clarity in instructions: clearity communicating project tasks, and goods, expectation notes to
 Every team members.

Describe how could you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

Petlecting on my Experiences In data analytis at smant bridge Intems, I've identified key areas for Entawing my abilities in group disussions, team participation and leadership.

To Improve my contribution in group discussions, Iam to ochive listin to other, ask insighted, questions and share my openious, penspetitus, clearly and effecti vely As a team leader and I plan to strength collaboration through proctively offering support, live again my technical skills and embracing different view points of team members and to enhance my leadership copolicities I environment and effectively team activities through the measures, Iam commetted to continous growth and execultance in my note abilities in their team.

Describe the technological developments you have observed and relevant to the subject area of training (focus on digital technologies relevant to your job role)

Description of the digital technologius.

- ton manging and anausing data. In Integrating reporting moduling manging anausing, storius and Event management to Efficiently organizing data ton Effective decision making.
- objected, orwented scrupbing language, It is used for some nat side web development, software development, and system scrupting, task automation, data analysis and data visualization.
- To visual studio code: visual studio code AIRA vs code is a sounce Editor software development by microsoft ton windows and macos, It is used ton program code Editing like debugging, task nunning and version con tool code Referencing.
- Sounce thout End development transcwork for the Creation of websitus and applications.