

Introduction to Data Management

PROJECT REPORT

(Project Semester January-April 2025)

Demographic Analysis of Chronic Diseases in the United States: An Interactive Dashboard Approach

Submitted by

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Registration No: 12308331

Section: K23EG

Programme: B. Tech - Computer Science and Engineering

Course Code: INT217

Under the Guidance of

Jaffar Amin Chacket (UID: 30453)

Discipline of CSE/IT

Lovely School of Computer Science and Engineering

Lovely Professional University, Phagwara



CERTIFICATE

This is to certify that Aniket Sharma bearing Registration no. 12308331 has completed INT217 (Introduction to Data Management) project titled, **“Demographic Analysis of Chronic diseases in the United States: An Interactive Dashboard Approach”** under my guidance and supervision. To the best of my knowledge, the present work is the result of his/her original development, effort and study.

Signature

Jaffar Amin Chacket (UID: 30453)

School of Computer Science and Engineering

Lovely Professional University

Phagwara, Punjab.

Date:

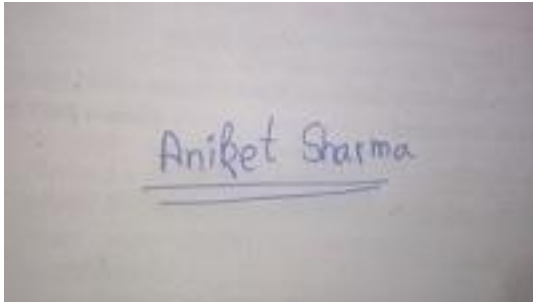
DECLARATION

I, Aniket Sharma, student of B.Tech Computer Science and Engineering under CSE/IT Discipline at, Lovely Professional University, Punjab, hereby declare that all the information furnished in this project report is based on my own intensive work and is genuine.

Aniket Sharma

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A photograph of a handwritten signature 'Aniket Sharma' in blue ink on a white piece of paper. The signature is underlined with two horizontal lines.

09/04/2025

Acknowledgement

The opportunity of attaining a course based on Data Management using Excel at Lovely Professional University was worth learning. It was a prestige for me to be part of it. During the period of my course, I received tremendous knowledge related to Microsoft Excel and Data Management.

Pre-eminently, I would like to express my deep gratitude and special thanks to my course teacher Sameeksha Khare for her theoretical knowledge and encouragement on this project and for her valuable guidance and affection for the successful completion of this project.

Secondly, I would like to thank Lovely Professional University for giving me an opportunity to learn this course.

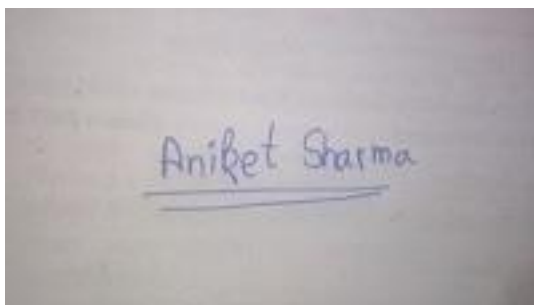
Lastly, I would like to thank the almighty and my parents for their constant encouragement, moral support, personal attention, and care.

Aniket Sharma

12308331 – K23EG

B. Tech - Computer Science and Engineering

Lovely Professional University, Phagwara

A photograph of a handwritten signature in blue ink on a light-colored surface. The signature reads "Aniket Sharma" and is underlined with two parallel lines.

Contents

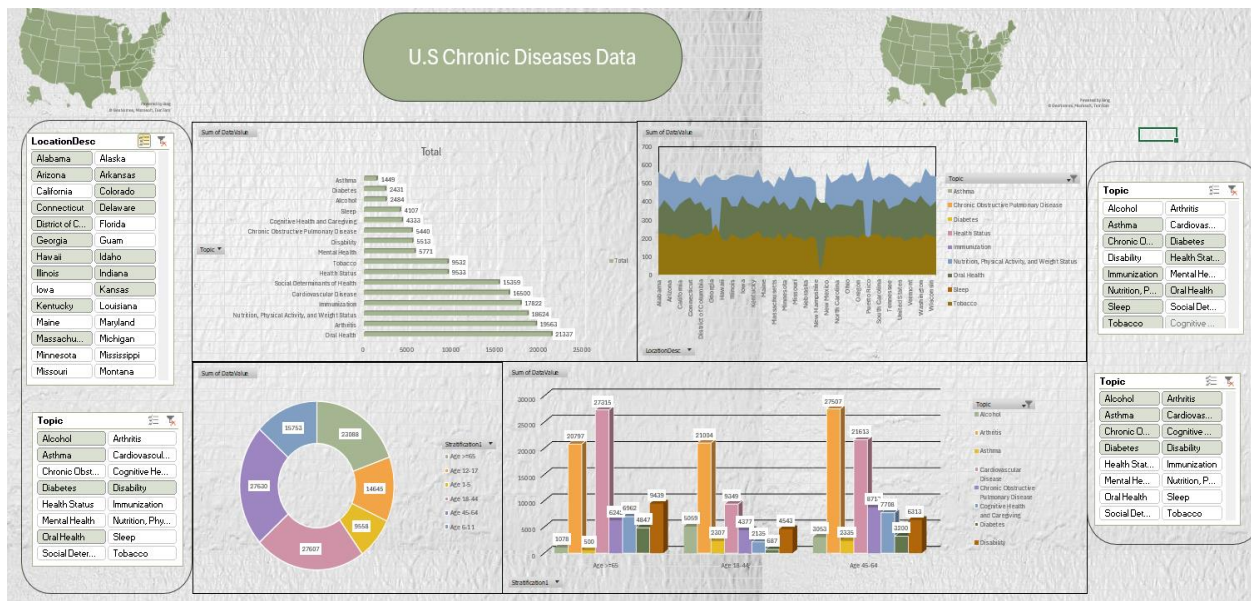
Sr. No.	Topic	Page No.
1.	<u>Cover Page</u>	1
2.	<u>Certificate</u>	2
3.	<u>Declaration</u>	3
4.	<u>Acknowledgement</u>	4
5.	<u>Contents</u>	5
6.	<u>Abstract</u>	6
7.	<u>Report</u>	7

Abstract

Excel is a software program created by Microsoft that uses spreadsheets to organize numbers and data with formulas and functions. Excel analysis is ubiquitous around the world and used by businesses of all sizes to perform data analysis. Excel features calculation, graphing tools, pivot tables, and a macro programming language called Visual Basic for Applications, and several other features which make Excel a perfect choice to manage and analyse data.

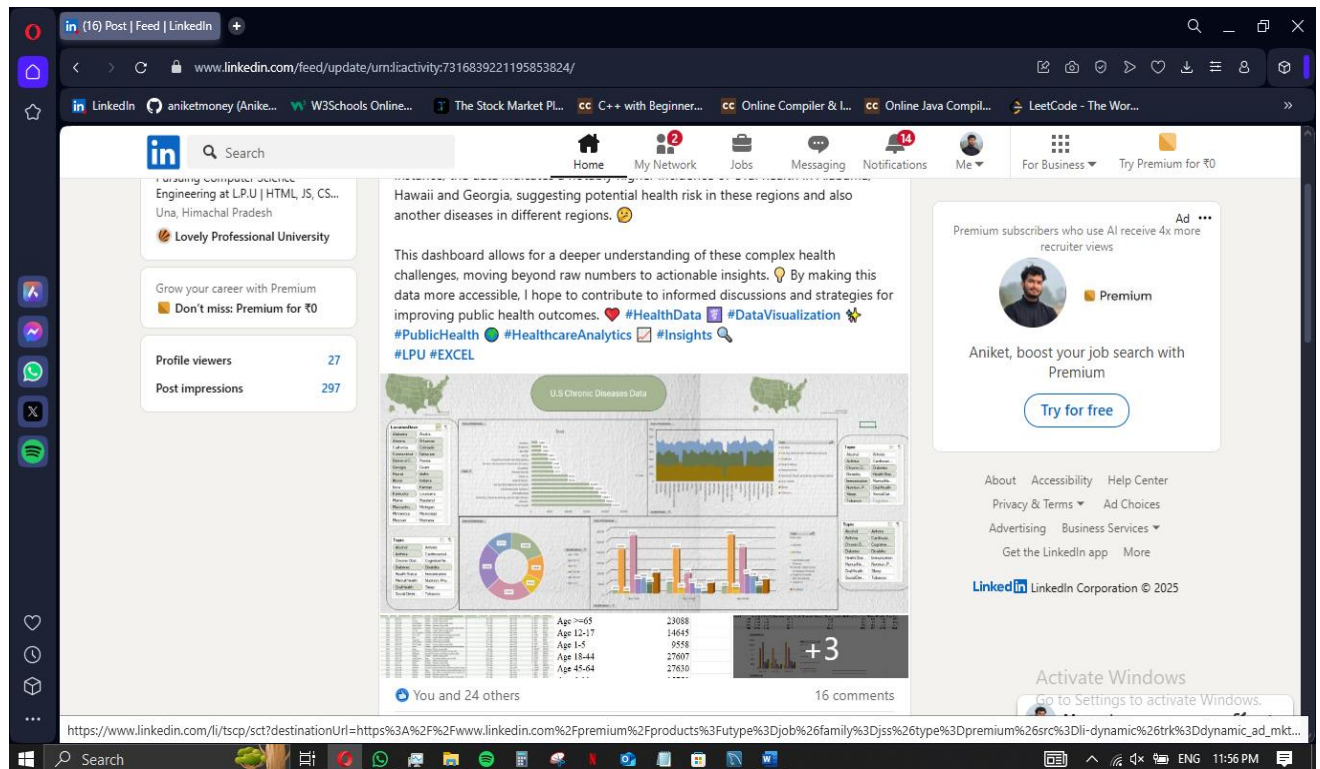
My project is an Excel Dashboard. The Excel Dashboard is used to display overviews of large data tracks. Excel Dashboards use dashboard elements like tables, charts, and gauges to show the overviews. The dashboards ease the decision-making process by showing the vital parts of the data in the same window.

In this report, I have shared a project where I have done data analysis of Chronic disease dataset across US States. This report also presents my learning during my course classes.



This is how my main dashboard looks like . given below are some more screenshots of dashboard.

Georgia	16	160	45	173	244	541	371	40	228	1824	
Guam	13	11	55	164	210	551			278	1280	
Hawaii	21	90	37	138	280	519	425	31	197	1738	
Idaho	24	78	38	156	260	518	424	27	184	1709	
Illinois	18	84	42	157	274	537	376	34	224	1746	
Indiana	22	162	45	182	279	548	375	39	207	1860	
Iowa	18	137	37	138	314	545	432	30	195	1845	
Kansas	22	138	40	158	304	539	393	31	203	1828	
Kentucky	22	168	48	214	279	536	378	38	220	1925	
Louisiana	18	157	48	197	258	579	367	52	242	1917	
Maine	27	172	35	170	296	506	405	27	202	1840	
Maryland	20	119	40	143	321	521	392	38	212	1808	
Massachusetts	23	30	31	141	318	480	436	28	196	1743	
Michigan	26	163	40	177	275	538	379	34	223	1890	
Minnesota	18	135	33	130	306	515	400	28	189	1753	
Mississippi	22	154	54	207	243	592	355	52	231	1909	
Missouri	23	180	37	174	303	536	369	31	206	1861	
Montana	23	160	27	154	234	532	428	27	207	1850	
Nebraska	18	118	38	142	322	538	409	36	187	1809	
Nevada	20	99	40	174	217	536	349	32	208	1674	
New Hampshire	24	88	31	145	313	510	423	25	202	1766	
New Jersey					55	22	397	32		506	
New Mexico	19	79	43	180	263	553	393	32	211	1799	
New York	21	120	39	155	292	506	354	27	198	1712	
North Carolina	18	103	43	177	319	519	385	38	213	1815	
North Dakota	18	93	35	140	302	548	383	26	204	1748	
Ohio	26	159	43	182	285	546	379	41	215	1876	
Oklahoma	24	154	45	198	287	560	374	37	217	1896	
Oregon	25	134	31	159	301	508	415	36	203	1811	
Pennsylvania	24	154	38	170	316	527	402	34	226	1891	
Puerto Rico	22	29	60	247	156	634			205	1352	
Rhode Island	24	85	38	161	319	514	417	35	222	1814	
South Carolina	22	151	47	177	289	540	393	41	227	1866	
South Dakota	20	91	39	149	311	528	418	30	194	1780	
Tennessee	21	180	50	201	278	555	360	42	219	1905	
Texas	16	122	48	171	285	548	374	37	201	1782	
United States	20	47	41	168	283	531	383	35	210	1718	
Utah	22	79	34	147	293	501	426	28	188	1717	
Vermont	26	95	30	143	306	479	409	33	196	1716	
Virginia	19	130	41	159	319	510	394	39	212	1823	
Washington	21	130	35	155	331	505	433	33	197	1839	
West Virginia	26	180	52	243	289	586	402	46	224	2047	
Wisconsin	23	91	31	148	324	545	373	30	217	1782	
Wyoming	21	91	28	153	242	539	404	33	204	1714	
Grand Total		1126	6281	2115	8872	15048	28294	20414	1789	11219	95158



This is the screenshot of my uploaded work

