



Introduction to BIG DATA & TABLEAU

Dr. Sameer Rohadia
Data Analyst & IT Trainer
Hannover, Germany

Brief Profile

DR. SAMEER ROHADIA



- Bachelor of Electrical Engineering and MBA (IT specialization) from M. S. University of Baroda.
- Ph.D. in ERP implementation from Gujarat Technological University, Ahmedabad.
- Master in Data Science from Bologna Business School, University of Bologna, Italy.
- 20+ years of Corporate and Business Management teaching experience in reputed Institutes / Universities within Germany and India.
- Last assignment as Content Manager (Training & Community) in Continental AG, Hannover, Germany.
- Currently, working as IT Trainer & Data Analyst (Freelancer) in Hannover.
- Successfully conducted 28 Webinars / Workshops in last 4 months and trained 3,200+ professionals, faculty members & students in the area of **Big Data, MS Power BI, Tableau & MS Excel**.
-  Microsoft Certified Power BI Professional, **Tableau Desktop Specialist**, Certified Google Analytics Professional, Professional Scrum Master & Product Owner, & Certified IT Services Management Professional.
- Visited 15 European countries till date.
- Consul of Hannover Professionals Networking Group of Internations, Hannover.
- Life Member of Baroda Management Association and Indian Society for Training & Development.
- Received 5 awards for teaching excellence from institutes of repute.



Flow of Presentation

01 Introduction to Big Data

02 Big Data Application Areas

03 Types of Roles

04 Indian Analytics Market

05 European Analytics Market

06 Introduction to TABLEAU

1

Introduction to Big Data

2020 This Is What Happens In An Internet Minute

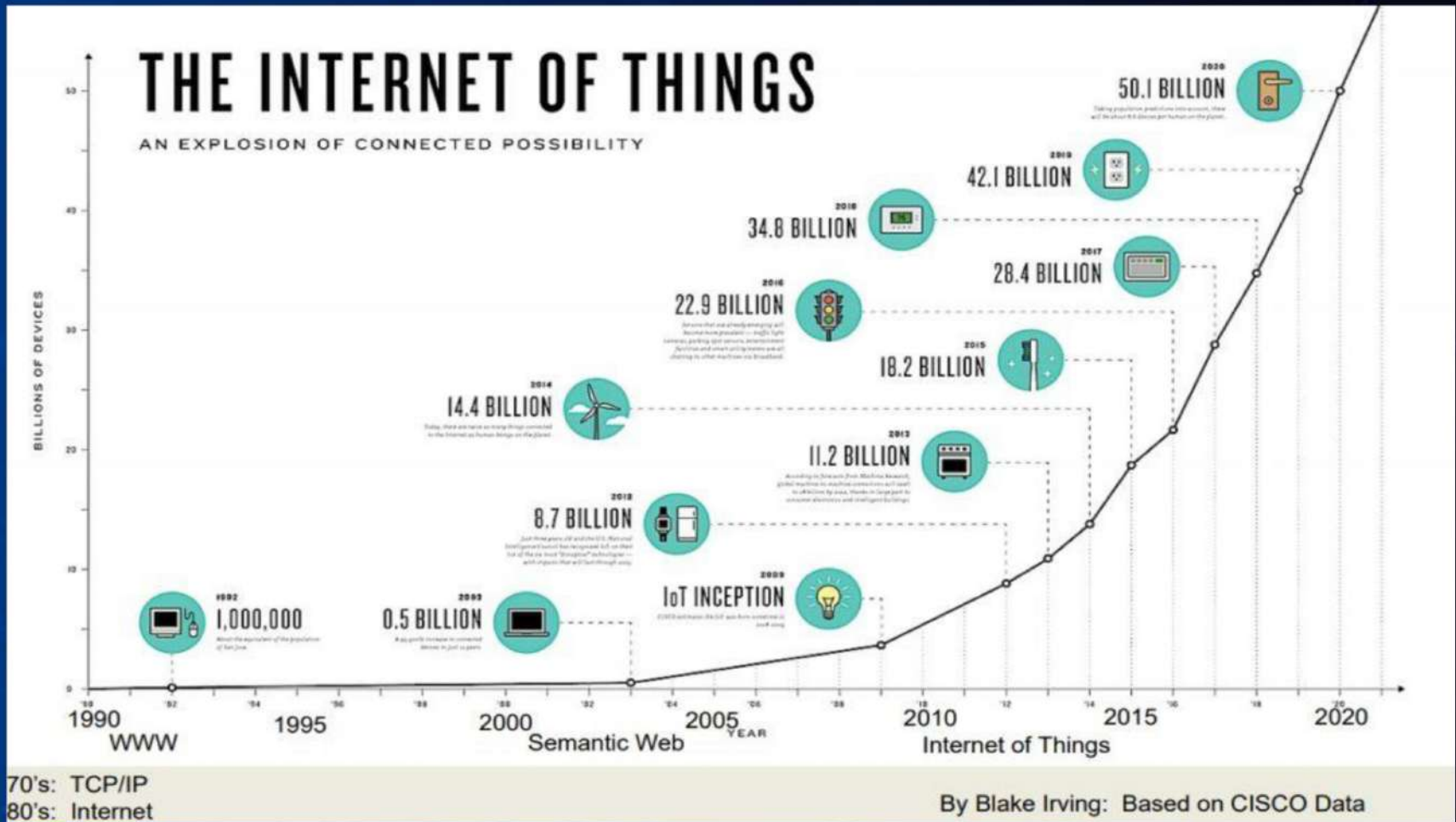


Created By:
@LoriLewis
@OfficiallyChadd

Internet of Things (IoT)



Growth of IoT



Types of Data



CSV



XLS



DBF

STRUCTURED



DOC

SEMI-STRUCTURED



JPG



MP3



MPEG

UN-STRUCTURED

What is Big Data?



Big Data is....

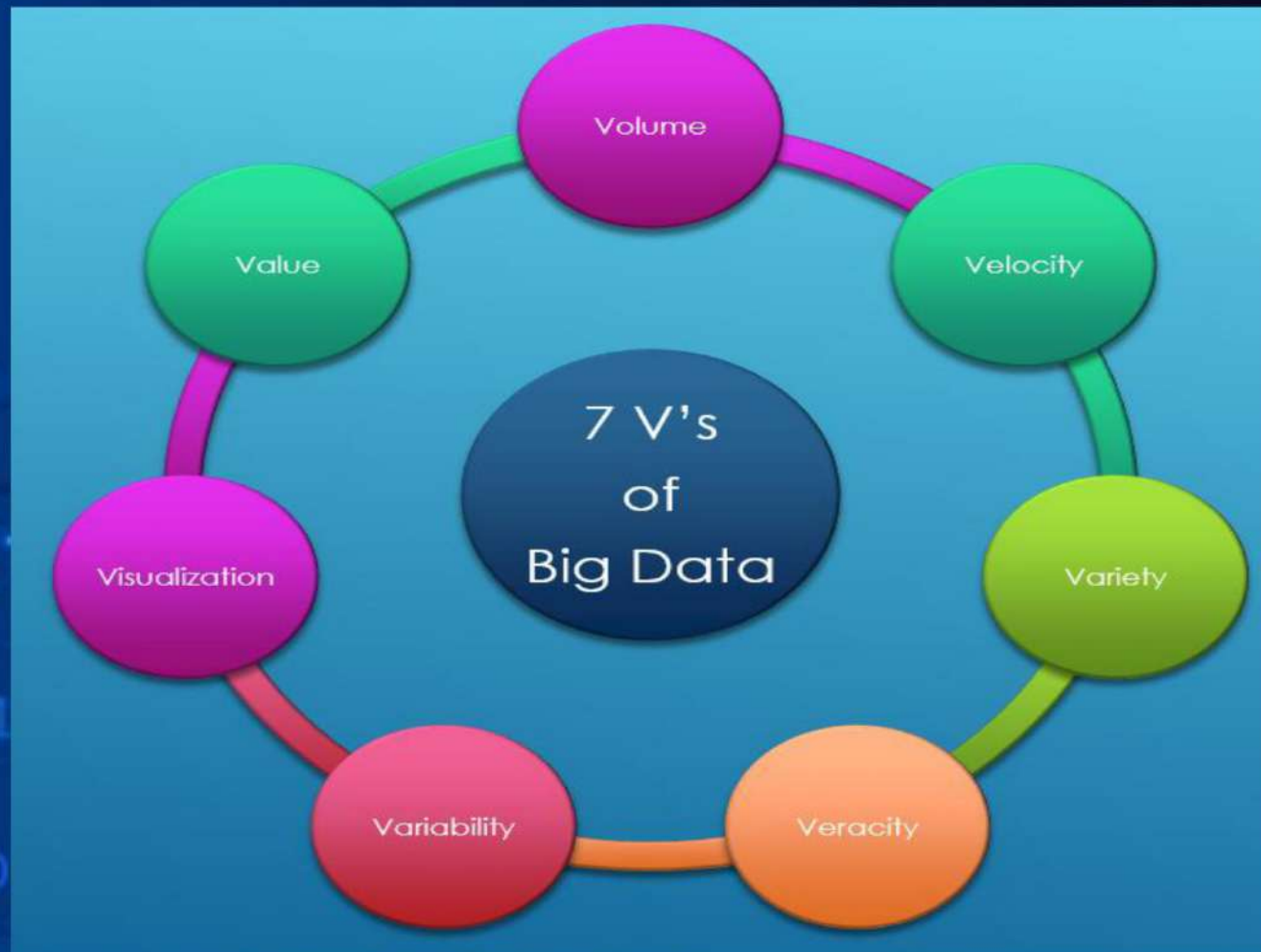


.....defined as a term which handles the combination or also single parts of **Volume** (high amount of data which is exponentially rising), **Variety** (all kind of data sources) and **Velocity** (fast data up to real-time streaming) of data with cost-effective, innovative forms of information processing to enable enhanced insight, decision making and process automation.

Characteristics of Big Data



7 V's of Big Data



10 V's of Big Data



2

Big Data Application Areas

BIG DATA APPLICATION AREAS



Banking
& Securities



Communication,
Media & Entertainment



Healthcare



Manufacturing &
Natural Resources



Transportation



Education



Retail & Wholesale



Insurance

KEVIN ROBIN KATE COREY
SPACEY WRIGHT MARA STOLL
MICHAEL SAKINA KRISTEN CONSTANCE MAHERSHALA SEBASTIAN
KELLY JAFFREY CONNOLLY ZIMMER ALI ARCELUS

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SINCE 2013

22 EMMYS



3

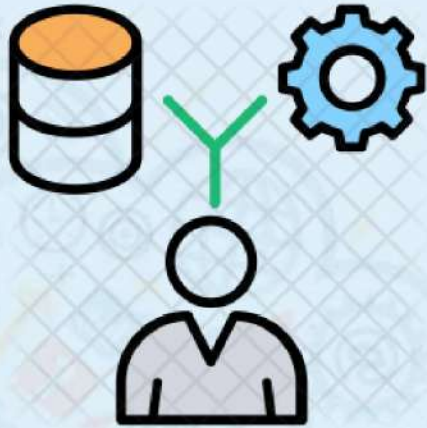
Types of Roles

Who are Data Analysts?



- They are experienced data professionals in their organization who can query and process data, provide reports, summarize and visualize data.
- **Tools used:** MS Excel, SQL, SPSS, SAS, MS Access, Power BI, Tableau etc.

Who are Data Engineers?



- They are data professionals who prepare the “big data” infrastructure to be analyzed by Data Scientists.
- They are Software Engineers who design, build, integrate data from various resources and manage big data.
- **Tools used:** Hadoop, SQL, NoSQL, Hive, Pig, programming etc.

Who are Data Scientists?



- Someone who can turn raw data into purified insights.
- They apply statistics, machine learning and analytic approaches to solve critical business problems.
- **Tools used:** Python, R, Scala, Apache Spark, Hadoop, Machine Learning, Deep Learning & Statistics.



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Indian Analytics Market

Overview of Indian Data Analytics Industry



- Analytics market in India currently valued at \$ 3.03 Bn.
- Market growing at 26% CAGR.
- Employs 120,000 people currently.
- 600 companies, out of which 400 are startups.
- **Sector benefited:** Retail, Banking, Insurance, Telecom, Healthcare, Manufacturing, Professional Services.

Future of Data Analytics in India



- India currently among top 10 big data analytics markets in the world. Target to be among top 3 markets in next three years.
- Analytics market expected to double by 2025.
- India will have 32% share in global market.
- Increased demand in industries such as Banking, Financial Services, Insurance, Retail, Telecom, Healthcare etc.

Famous Big Data Startups in India

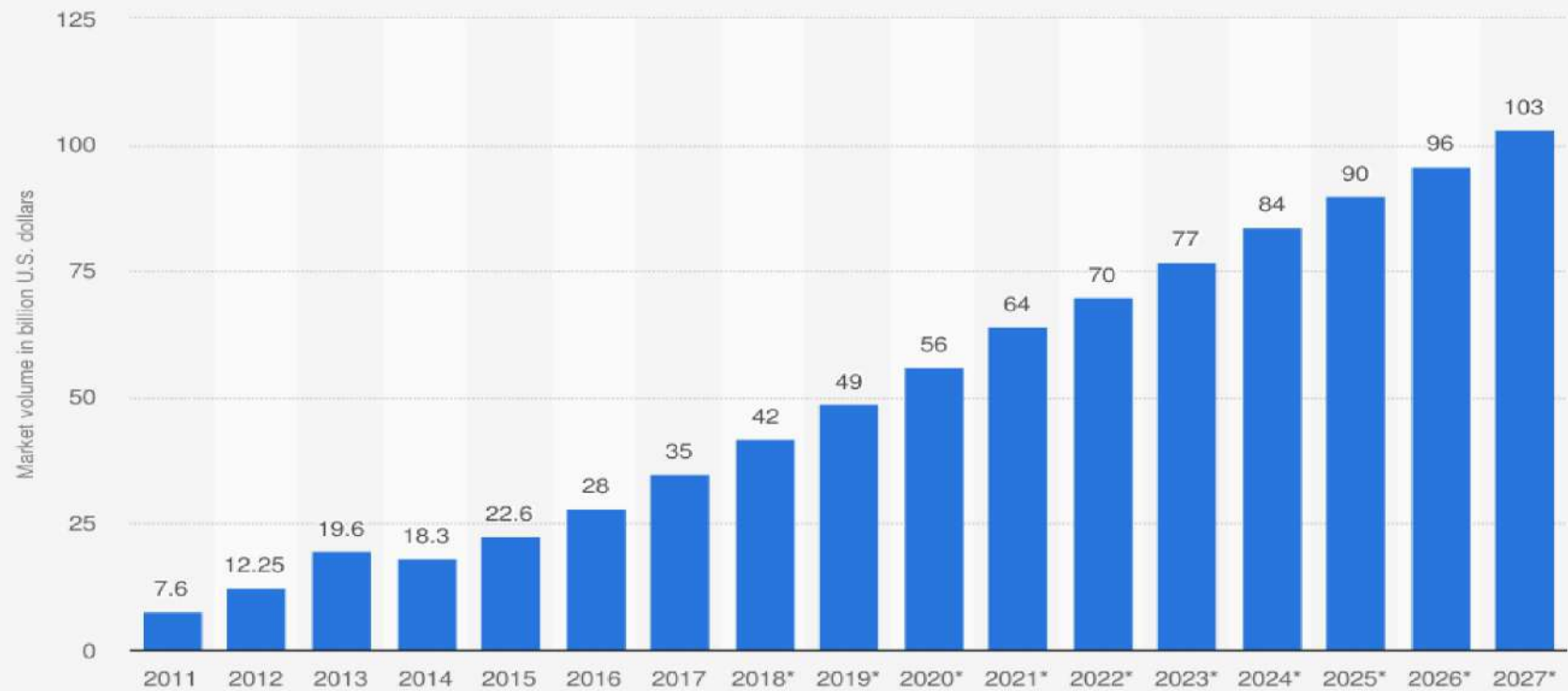




5

European Analytics Market

Big data market size revenue forecast worldwide from 2011 to 2027 (in billion U.S. dollars)



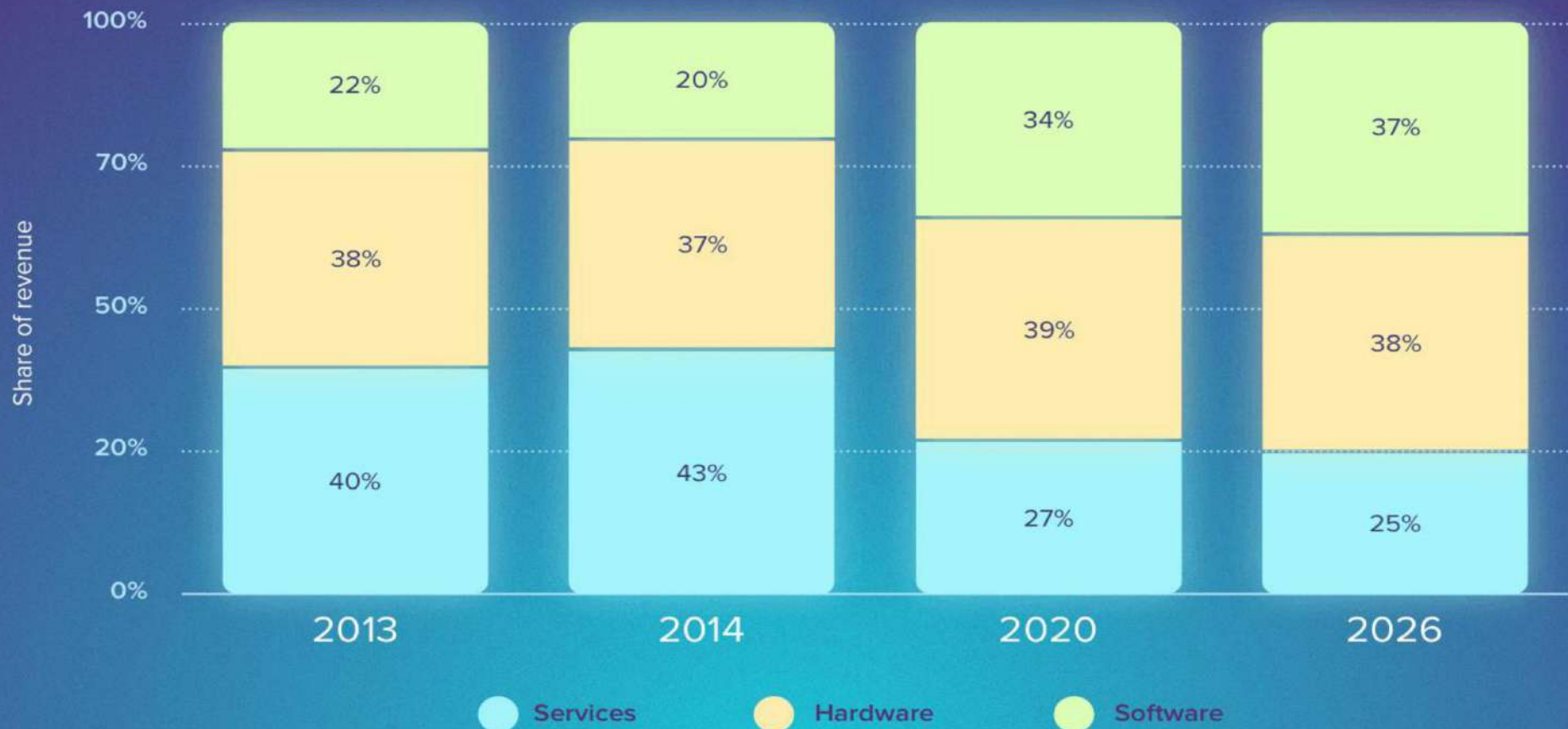
Sources

Wikibon; SiliconANGLE
© Statista 2020

Additional Information:

Worldwide; Wikibon; 2014 to 2018

Share of big data revenue worldwide in 2013-2026, by type



European Data Market

European Data Market Study



Data workers

6.16 million in 2016

→ 10.43 million by 2020



Data companies

255,000 in 2016

→ 359,050 by 2020



Data economy value

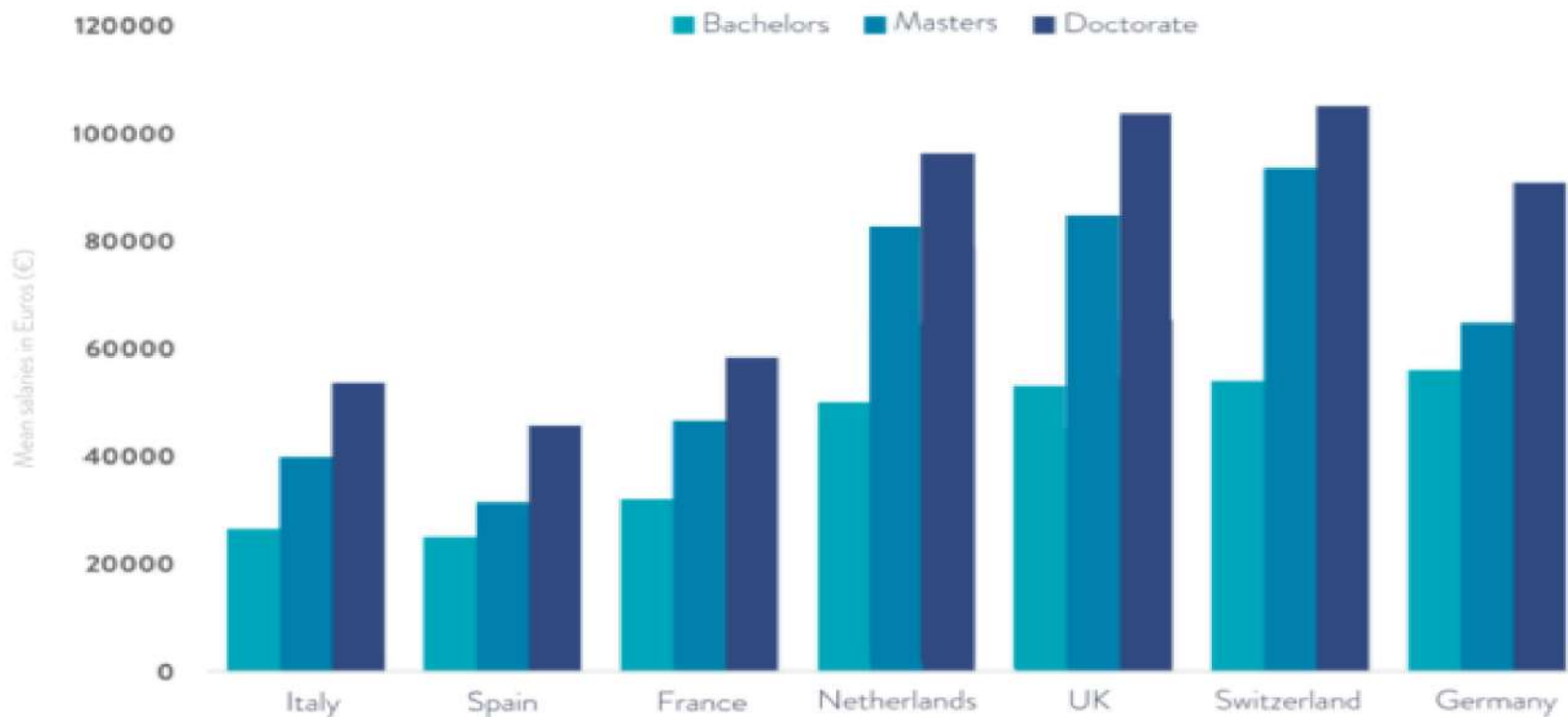
Almost € 300 billion in 2016 → € 739 billion by 2020



European
Commission

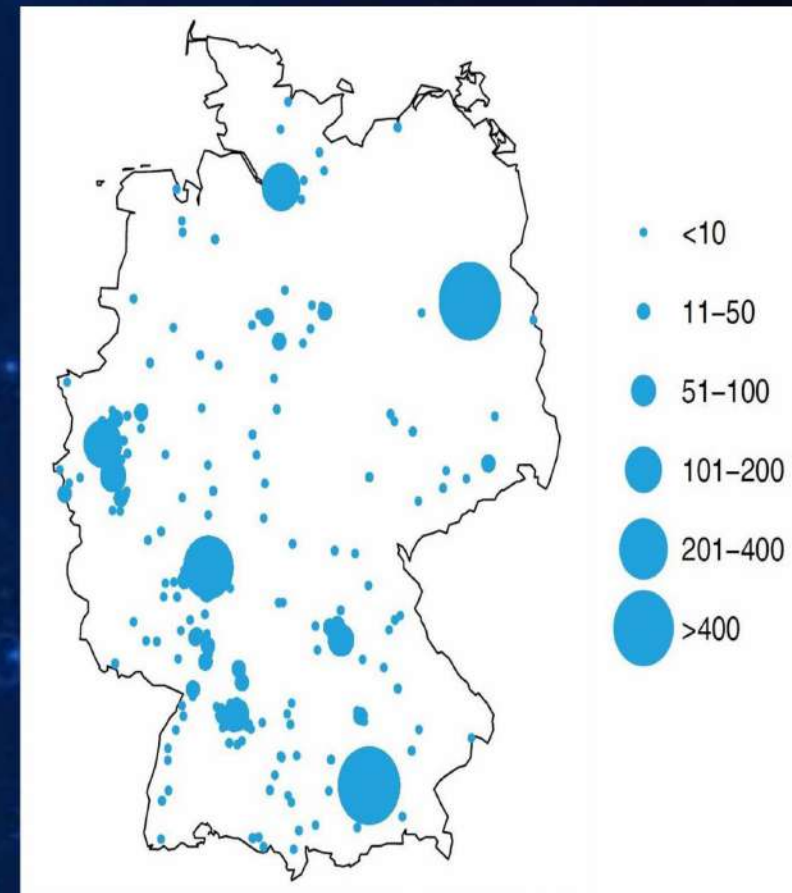
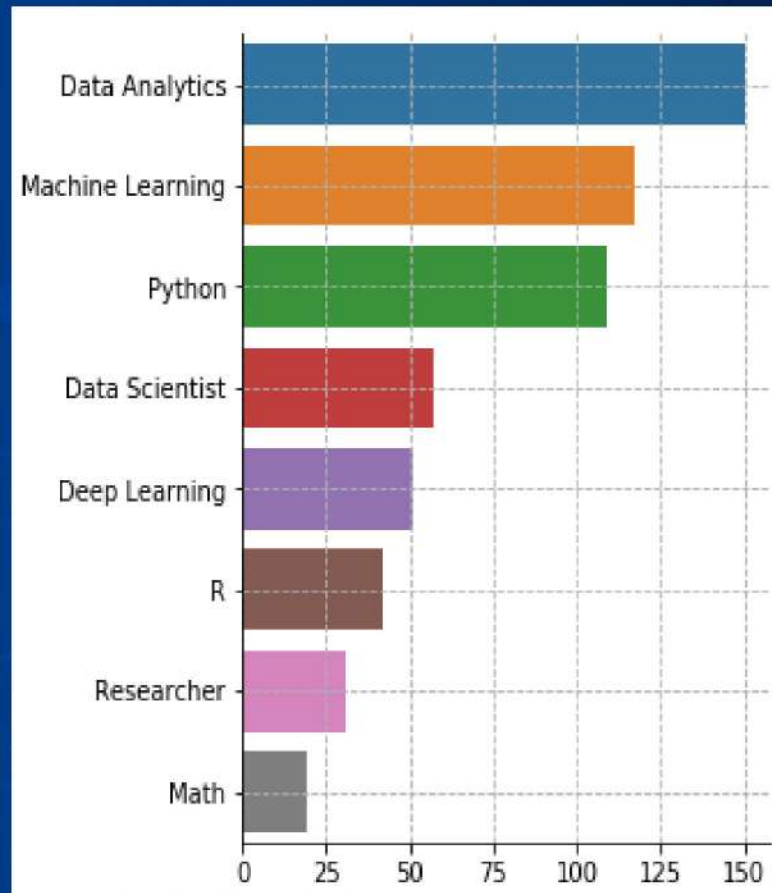
Source: European Data Market study

Average salaries per level of education



In countries like Germany, the Netherlands and Switzerland, PhDs are often a prerequisite for joining larger technology companies and will find that top-level positions for those holding doctorates will pay more than other countries.

Data Analytics Opportunities in Germany





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Introduction to Tableau

What is Tableau?



- Co-founded in 2003 by Chris Stolte, Pat Hanrahan, and Christian Chabot
- Data visualization tool
- Holding 2nd position in Analytics & BI market
- More user-friendly than MS Excel
- Tableau Public version is free

Tableau as one of the Market Leader (Gartner)

Figure 1. Magic Quadrant for Analytics and Business Intelligence Platforms



Source: Gartner (February 2020)

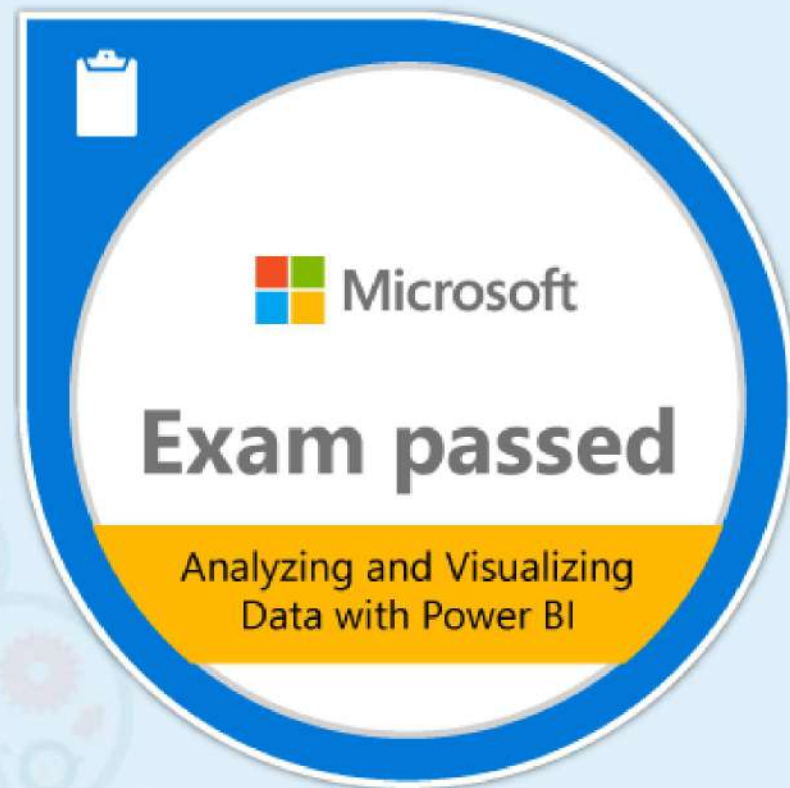
My Trainings in Continental AG



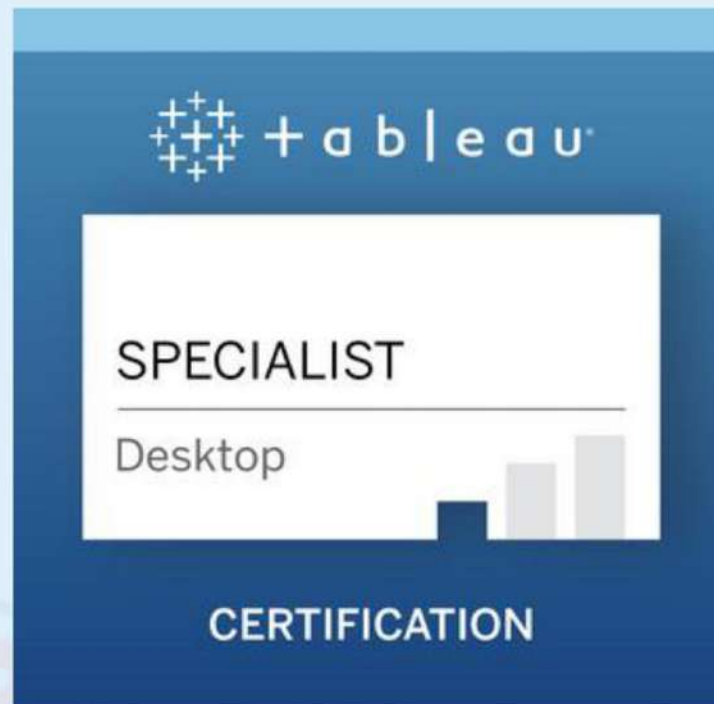
Total Workshops conducted : **34** (in 7 months)

Total worldwide participants trained : **1750+**

My Power BI Certification



My Tableau Certification





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★★★★★
by Govt. of Gujarat for
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OUTCOMES
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Pre Masters Bridge Course

Pre Master Bridge Course on
Creating Dashboards Using
Power BI and MS Excel

Program Objective :

This course is designed to enhance the basic skills and practical knowledge of students in Power BI and MS Excel. This Course helps deciding career path in the field of Business Analytics.

Who can attend?

Students | Faculty Members | Working Professional

Outcomes of the bridge course :

Creating Dashboards | Data Visualization
Data Cleaning | Data Integration

E-Certificate

Certificate will be issued to only those students who attend atleast 80% online course.

Where to Register?

<http://bit.ly/guni-cmsr-excel>

For More Details:

Dr. Suraj Shah
Mo.: 9099537372
Email: sms01@ganpatuniversity.ac.in

MAY 28 to JUNE 02 2020
11.00 AM to 01.00 PM

- ✓ Free Registration
- ✓ Free Learning
- ✓ Free Certificate
- ✓ Free Study Material



Resource Person :
Dr. Sameer Rohadia
Data Analyst and IT Trainer,
Germany.

Toll Free No.
1800 233 12345
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Mehsana-Gandhinagar Highway,
SH 73, Dist. Mehsana, Gujarat, India



WEBINAR

Adi Shankara
BUSINESS SCHOOL

INTRODUCTION TO POWER BI 5 Days Workshop



21st - 25th July



11 AM - 1 PM



Google Meet



Dr. Sameer Rohadia
Data Analyst & IT trainer
BI-Consultant
Hannover, Germany

Kalady, Ernakulam, Kerala
Adi Shankara Institute of Engineering and Technology (ASIET)
www.adishankara.ac.in
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Total participants trained: **250+**



70

LAXMI INSTITUTE OF MANAGEMENT, SARIGAM

AICTE APPROVED & GTU AFFILIATED MBA PROGRAM
MBA Program in Finance, Marketing & Human Resource Management

Presents Webinar on

Visual Analytics using Microsoft Power BI

- Introduction to Power BI
- Connecting Data
- Data Transformation
- Data Visualization
- Creating Dashboard



Dr. Sameer Rohadia
Data Analyst & IT Trainer
Hannover, Germany

7TH SEPTEMBER TO 11TH SEPTEMBER 2020

05:30 PM TO 07:30 PM

Coordinator

Priyanshu Singh (+91 76006 92156)

**E-CERTIFICATE WILL BE
GIVEN TO THE PARTICIPANT**



55

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YOU WILL LEARN

- Introduction to Data Visualization & MS Power BI
- Connecting Data
- Data cleaning & transformation
- Data Visualization
- Calculated Columns & Measures

Batch Starts 23rd Sept | 6:30 PM
5 Days | 2 Hrs Each Day

This will be a live and complete hands-on training workshop where you can interact with trainer and ask doubts live.

You will receive e-certificate on the successful completion of the course.

via



Host
Ameya Agrawal
Founder - SkillSlate
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www.skillslate.in

TRAINER:

**DR. SAMEER
ROHADIA**

BI Consultant
IT Trainer, Germany

**Hurry!
Limited Seats**

<https://webinars.skillslate.in/POWERBIWORKSHOP>

Live 5 - days Workshop
on

20

"DATA VISUALIZATION WITH MICROSOFT POWER BI" - A HANDS ON SESSION

14th to 18th October, 2020
14th, 15th and 16th (Wednesday to Friday) - 6 pm to 8 pm
17th and 18th (Saturday & Sunday) - 10.30 am to 12.30 noon

EMINENT SPEAKER



DR. SAMEER ROHADIA

Data Analyst & IT Trainer, Hannover, Germany
Microsoft Certified Power BI Professional

Day 1 Introduction to MS Power BI & Connecting Data

Day 2 Data Cleaning & Transformation

Day 3 Creating Data Visualizations & Formatting

Day 4 Slicers & Filters

Day 5 Calculated Columns & Measures

Registration Link

<https://forms.gle/9zYHNAVQjhtBao7N9>

Webinar Ingredients

MS Power BI tool will be taught from scratch

- PPT, Study/supporting materials will be shared
- Webinar will be conducted on Google meet platform
- Certificate of Participation for All Participants

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On

**TABLEAU – DATA VISUALIZATION TOOL
FOR RESEARCHERS**

31.7.20
Day- 5 Schedule

Date	10.00 am – 11.30 am	11.30 am – 1.00 pm	2.00 pm – 4.00 pm
Topics	Session-13 Advanced Visual Analytics	Session-14 Calculations in Tableau	Session-15 Advanced Charts in Tableau
Key note Speaker	Mr.Prashant Ahuja Senior Research and Data Analyst India and UK		Dr.Sameer Rohadia Business Intelligent Consultant / Data Analyst



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**TABLEAU – DATA VISUALIZATION TOOL
FOR RESEARCHERS**

01.08.20
Day- 6 Schedule

Date	10.00 am – 11.30 am	11.30 am – 1.00 pm	2.00 pm – 4.00 pm
Topics	Session-16 Dashboards and Stories	Session-17 Expressions in Tableau	Session-18 Quiz and Feedback
Key note Speaker	Dr.Sameer Rohadia Business Intelligent Consultant / Data Analyst	Mr.Ranjith Assistant Vice President Citicorp Services – India Pvt Limited	



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SLOT-2

13.08.2020

Day- 5 Schedule

Date	10.00 am – 11.30 am	11.30 am – 1.00 pm	2.00 pm – 4.00 pm
Topics	Session-13 Advanced Charts in Tableau	Session-14 Dashboards and Stories	Session-15 Expressions in Tableau
Keynote Speaker	Dr.Sameer Rohadia Business Intelligent Consultant / Data Analyst Hanover,Germany		Mr.R. Ranjith Kumar Assistant Vice President Citicorp Services – India Pvt Limited



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SLOT-3

05.09.2020

Day- 6 Schedule

Date	10.00 am – 11.30 am	11.30 am – 1.00 pm	1.00 pm – 1.30 pm	1.30 pm to 3.00 pm
Topics	Session-16 Advanced Charts in Tableau	Session-17 Dashboards and Stories	Session-18	
			Valedictory Function	Online Quiz
Keynote Speaker	Dr.Sameer Rohadia Business Intelligent Consultant / Data Analyst Hanover,Germany		Photo and Feedback Session	Quiz



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“TABLEAU - DATA VISUALIZATION TOOL FOR RESEARCHERS”

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Department of Computer Science and Engineering

SLOT-3

04.09.2020

Day- 5 Schedule

Date	10.00 am – 11.30 am	11.30 am – 1.00 pm	2.00 pm – 4.00 pm
Topics	Session-13 Advanced Visual Analytics	Session-14 Calculations in Tableau	Session-15 Expressions in Tableau
			Dr.Sameer Rohadia Business Intelligent Consultant / Data Analyst Hanover,Germany
Keynote Speaker	Mr.Prashant Ahuja Senior Research and Data Analyst India and UK		



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**Our
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**ONLINE 5 DAYS COURSE
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DATA VISUALIZATION THROUGH TABLEAU

DATE : 30 OCT TO 3 NOV-2020
TIME : 7 PM TO 9:00 PM (IST)

- DAY 1**
Introduction to Tableau & Connecting Data
- DAY 2**
Creating various Charts
- DAY 3**
Mark Cards, Sorting & Grouping
- DAY 4**
Hierarchy & Filters
- DAY 5**
Dashboards & Stories

Exam will be conducted after completion of course and then certificate will be issued.



Dr. Sameer K. Rohadia,
Data Analyst & IT Trainer,
Hannover, Germany

For Registration
Call on 9898233268
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All sessions will be on
Microsoft teams



*Thank
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