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## **JN Training**

Jeremy Nathan

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### **Level 100: Microsoft Office 365 Integration and Teamwork**

Online or On-site, classroom training - 8 hours, \$225

Everyone receives a workbook with live training

#### **Office 365**

Sign-in, overview of apps and what the apps accomplish

#### **Outlook**

Filters and find, adding signature, out of office auto reply, create folders, connect to OneDrive, calendars, groups, meetings, contacts in People app

#### **OneDrive for Business**

Unshared documents, saving documents, sharing documents, sync on computer, upload and download files, organize folders

#### **SharePoint**

Sharing documents, calendar, discussion boards, add apps, shared settings, working concurrently with coworkers

#### **Teams**

Create new team, add members to team, channels, audio and video chat, share files, share screen, install Apps, At Mention

#### **OneNote**

Create and delete notebooks, pages, tables, formatting, adding pictures, audio and video, background graphics, tagging notes, export to PDF

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**JN Training**

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**Level 101: Adobe Acrobat Pro DC PDF**

Online or Laptops provided with on-site, classroom training - 8 hours, \$225

Everyone receives a workbook with live training

Why and how to use PDF

Recent documents

Find and Advanced Search

Copy data from a pdf without losing formatting

Convert Word, PowerPoint, Excel files into PDFs

Create PDF from Microsoft Office documents

Export to Word, Excel and PowerPoint

Print to PDF

Create multiple PDFs

Combine files and PDFs

Editing text in scanned documents

Hyperlinks to other pages in PDF and to websites

Bookmarks to places in PDF

Making sticky notes

Highlight text

Inserting and editing pictures

Header and footer

Watermark

Compare two versions of a PDF to find differences

Create, fill, sign and send forms

Share PDFs to view, review, sign and track changes

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**Level 102: Fundamentals Microsoft Office**

Online or laptops are provided to use on-site 8 hours, \$225

Everyone receives a workbook with live training

**Windows:**

Navigating in Windows, making new folders and sub-folders

Using the File Explorer for shared and computer drives

**Excel:**

Create a basic spreadsheet

Make a chart to put in PowerPoint

Select, copy, paste

Save as a new file and as a PDF

**PowerPoint:**

Templates, putting charts into presentation

How to create a simple slide show

How to take, edit and save screenshots on your computer

How to share your presentation

How to present a PowerPoint show

Recognize file extensions

Insert text, pictures, tables, videos of production processes

Format backgrounds and styles

Change font size and titles

Transitions, Animations and Running a Slide Show

**Word:**

Search for documents on computer

Make a word document

Print

Format

Insert text, pictures, tables

**Outlook:**

New email message to multiple recipients

Open and add attachment

Setting and accepting meeting requests

Sort and categorize emails by sender and by date

Signature line

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**Level 1: Foundation Microsoft Excel**

Online or laptops are provided to use on-site 8 hours, \$225

Everyone receives a workbook with live training

Developing a Workbook

Menus

Save in PDF format

Password Protection

Insert rows and sheets

Rename and delete sheets

Moving and sheet colors

Borders

AutoFit columns

Navigate

Name box

Shortcuts

Zoom

Custom Header/Footer

Charts and Sparklines

Watermark for printing

Formulas

Autofill

Remove Duplicates

Quick Access Toolbar

Customize Ribbon Tabs

Customize status bar

Paste Special & Transpose

Number Formatting

Hide columns and rows

Print & Formatting

Page Layout and Margins

Comments

Hyperlinks

Custom cell styles

Freeze data

Split Frames

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**Level 2: Microsoft Excel Pivot Tables, Pivot Charts and Macros**

Online or laptops are provided to use on-site

8 hours, \$225

Everyone receives a workbook with live training

**1) Charts:**

Filter/Sort, make tables out of data

Column, Bar, Line, Waterfall, Gantt, Pareto, Scatter, Control Charts

Excel templates, chart templates, snapshot in time charts

Sparklines

3D Maps

Labels

Data callouts

KPI (Key Performance Indicators)

Forecast sheet

Goal seek

Scenario Manager

Password Protection

**2) PivotTables and PivotCharts:**

Tables: why to use, naming, formatting

PivotTables: KPIs, filling in headings, clearing filters, copying

Cube functions: pointing to other Pivot Tables

Sum, count, average, min, max of data in PivotTables

Pivot Charts

Slicers

Date Slider

**3) Macros:**

Developing a macro, macro enabled workbooks

Absolute vs Use Relative References in Macros

Macros to copy, paste, filter, sort, make charts

Macro shortcuts

Writing simple VBA code

Debugging VBA

Using macros in different Excel files

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**Level 3: Advanced Formulas Microsoft Excel**

Online or laptops are provided to use on-site, 8 hours, \$225

Everyone receives a workbook with live training

Advanced shortcuts

Show formulas

Trace precedents and dependents

Evaluate formulas

Profit Margin formula

Custom number formats including hours, minutes and seconds

Autofill series

Data validation using formulas and error messages

Naming data and using in formulas

If and, not, iferror, averageifs, countifs, sumifs

Dsum, dcount, dcounta, dmin, dmax and daverage

Sumproduct

Formula errors

Nested formulas including if formulas with multiple outcomes

Date formulas including now, today, year, month, day

Calculating workdays between dates

Absolute, relative and mixed cell references

Advanced 3D referencing other files and sheets

Vlookup, Hlookup

Match, Index

Advanced Match to find every instance of a part number from a category or location Aggregate

Row

Goal Seek and Scenario Manager

Project Day Formulas

Watch Window

Round up or down

Conditional formatting based on other columns and criteria

Trim, Lower, Upper, Proper, Left, Search, Find, Right, Mid formulas

Spreadsheet compare

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**Level 4: Statistical Analysis in Microsoft Excel**

Online or laptops are provided to use on-site, 8 hours, \$225

Everyone receives a workbook with live training

Anova (Analysis of Variance)	Line charts, chart shortcuts, formatting
F value	Pie Charts
Sum of Squares Between groups	Pareto chart
Sum of Squares Within groups	KPI (Key Performance Indicators)
Degrees of Freedom	Gantt chart
Null hypothesis	Control chart
Mean squares due to treatments	Scatter chart
Mean squares of errors	
Variance formula	
Covariance	
Correlation	
Descriptive Statistics	
Exponential Smoothing	
F-Test Two-Sample for Variances	
Fourier Analysis	
Histogram	
Moving Average	
Rank and Percentile	
Regression	
Sampling	
t-Test Paired Two Sample for Means	
t-Test: Two-Sample Assuming Equal Variances	
t-Test: Two-Sample Assuming Unequal Variances	
z-Test: Two Sample for Means	

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**Level 5: Microsoft Excel Data Analysis and Dashboards**

Online or laptops are provided to use with on-site, classroom training

2 days (16 hours) \$500

Everyone receives a workbook with live training

**Part 1 - Import data**

Data analysis using Excel Pivot Tables with dashboards and slicers

Query SQL Server databases

Power Query to import individual Excel files from different folders

Importing Excel and CSV files and refreshing queries to automatically import data

**Part 2 – Cleanse Data**

Formatting, cleaning and transforming data to make it ready to analyze

Importing reports and combining columns

Using Excel tables and creating automatic and manual relationships

Making a calendar and other data tables and importing lists of business data

**Part 3 – Model Data**

Performance KPI Indicators for business activities

Create DAX (Data Analysis Expressions) calculated columns and measures

Analyzing 7-day, 10-day, 15-day, 30-day rolling averages in sales, inventory, labor hours, etc.

Analyzing year-to-year and month-to-month change in sales, expenses, labor hours, products, departments, vendors, customers, etc.

Analyzing month-to-date, quarter-to-date, and year-to-date sales, expenses, labor hours

Analyzing percentage change of market share year-over-year

Analyzing expansion of sales to new customers by units and dollar amounts

Analyzing repeat customer sales and periods where those customers had no sales Financial report authoring

Advanced business ratios and dynamic ranking

**Part 4 – Visualize Data**

Format Pivot Tables and Pivot Charts for reports

Slice and filter, group and summarize data using cube functions

Timelines, slicers and create measures in Pivot Tables

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**Level 6: Microsoft Power BI Desktop and Power BI Services**

Online or laptops are provided to use in on-site, classroom training

3 days (24 hours) \$1,050

Everyone receives a workbook with live training

**Part 1 – Import Data**

Import multiple Excel and CSV files from multiple years, locations and tables

Connect to and import ERP data

Connect to data in SQL Server Analysis Services (SSAS)

Import reports and pivot and unpivot data

Import data from PDFs

**Part 2 - Transform, Cleanse, Format Data**

Manually create tables

Create custom columns

Duplicate queries

Append queries

Merge queries

Refresh queries

Manage relationships in tables

**Part 3 – Model Data**

Administer business rules

Create calculated columns and measures using variable to make formulas understandable

DAX functions including sumx, averagex, sameperiodlastyear, datesytd, datesmtd, datesqtd, calculate, blank, path, lookupvalue, switch, filter, countrows, rankx, allselected, all...

Time, part and corporate hierarchies

**Part 4 – Visualize Data**

Make interactive dashboards containing charts, gauges and visuals

Set interactions between visuals

Insert text, images, titles, URLs

Drill down and up in visuals

Visualize data on maps

Power BI services: create workspaces, upload reports, upload dashboards, settings

Schedule auto refreshes of datasets

Export Power BI data into Excel

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**Level 7: Tableau Prep and Tableau Desktop**

Online or laptops are provided to use with on-site, classroom training

2 days (16 hours) \$800

Everyone receives a workbook with live training

**Tableau Prep:**

Workspace

Connecting to data

Workflow

Cleaning, Shaping and Combining data

Grouping data

Output to Tableau Desktop

**Tableau Desktop:**

Tableau Settings

Connecting to Excel, CSV, PDF and ERP data

Organizing data

Filtering data

Views

Measures

Cross tabs

Table calculations

Defining sets of subsets of data

Data and table calculations

Parameters

Data extracts

Comparing measures

Group data into categories and subcategories

Joins and union of data

Geocoding

Data distributions

Statistics

Forecasting

Column, bar, pie, scatter charts

Showing sales, expenses, inventory, on a world map

Heat maps

Tree maps

Dual-axis charts

Refreshing to import new data

Dashboards and stories to share visualizations

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**Level 8: T-SQL Querying SQL Server Management Studio**

Online or laptops provided with on-site, classroom training

3 days (24 hours), \$1,500

Everyone receives a workbook with live training

**Setup – Day 1**

Downloading and installing SQL Server Management Studio 2019, restoring a .bak file

Making new tables, query and joining multiple tables

Queries for finding parts of data such as characters

Create Transact-SQL SELECT FROM queries

INNER JOIN, LEFT, RIGHT, Self, FULL OUTER JOIN, CROSS JOIN, UNION, UNION ALL

DML (Data Manipulation Language) using OUTPUT, DDL (Data Definition Language)

**Production – Day 2**

EXCEPT INTERSECT, NULL, ISNULL, NULLIF, IS NULL THEN, COALESCE

CASE WHEN THEN, ELSE, END

WHERE clause, ORDER BY, HAVING, Sort and filter data, EXISTS

CRUD (Create Read Update Delete) INSERT, UPDATE, DELETE

Table and column aliases

Use subqueries and APPLY, CROSS APPLY, OUTER APPLY

GROUP BY, GROUP BY ROLLUP, GROUPING SETS, GROUP BY CUBE, PIVOT, UNPIVOT

Temporary tables and non-relational data

Query and output JSON data and XML data

Create databases using SQL

**Programming - Day 3**

Deterministic and non-deterministic functions, Windows, aggregate, date and time functions

SUM, AVG, PARTITION BY, ORDER BY, SELECT DISTINCT, ROW\_NUMBER(), RANK()

ROWS BETWEEN \_\_ PRECEDING AND \_\_ FOLLOWING, DATEDIFF, LAG, LEAD, FIRST\_VALUE,

LAST\_VALUE CUME\_DIST(), PERCENT\_RANK(), DENSE\_RANK, NTILE, OFFSET, FETCH, TOP, OVER

TRY CATCH, THROW, TRY\_CAST, RAISERROR

Explanation and implementation of data types, VARCHAR, NVARCHAR, INT, FLOAT, REAL, CURSOR

Data type conversions CONVERT

Table-valued Functions, declare variables, control program flow, synonyms, BEGIN, COMMIT,

ROLLBACK Predicates: IN, EXISTS, BETWEEN, LIKE, ALL, ANY logicals: AND, OR, NOT

Transactions, looping, conditions, derived tables

Programming: create store procedures, user-defined functions, triggers and views, parameters

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**Level 9: Machine Learning and Real-Time Streaming Analytics**

Online or laptops are provided to use with on-site, classroom training - 2 days (16 hours) \$800

Everyone receives a workbook with live training

**Advanced DAX** in Excel and Power BI

Relationships in tables

Combining, appending, joining, unioning data

Advanced filtering of tables

**T-SQL** Data Analytics in SQL Server Management Studio

Data analysis functions in SQL Server

Enable Python and R in SQL Server

Python pyodbc to connect to SQL Server and running Python programs in SQL Server

**M Power Query** in Excel and Power BI

MDX and Edit M language

Import data from multiple websites at once and refresh

**Python** in SQL Server, Visual Studio, Power BI and Tableau

How to download Anaconda, Python, Notepad++

PyCharm, Jupyter Notebook and PyTorch

PowerShell to install Pandas, Matplotlib, Numpy, TensorFlow, Keras, pywin32

Python script to fill in Nulls with column Averages

Custom Python Visuals: violin charts, swarmplots, pairplots, scatterplots

Python predictive analysis

Make user interface buttons in Power BI reports. TabPy in Tableau

Machine learning using Python predictive analysis in Jupyter Notebooks to predict defects training the computer to analyze pictures and then test inputting attributes like temperature, weight, dimensions, to predict defects

**R** in SQL Server, Visual Studio, Visual Studio Code, R Studio, Power BI and Tableau

R statistical analysis of data

How to download R, find and present business statistics using R

RStudio, import and analyze data using R script, ggplot2

Custom R Visuals: dual y-axis chart, boxplot, jitter, histograms, world maps, 3D scatter, corrplot Logistic Regression

Azure Real-time Streaming Analytics of production data in charts using ASQL and Power BI

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### **Microsoft Teams Getting Started**

Online or on-site, 8 hours, \$225

Everyone receives a workbook with live training

Explanation of Microsoft Teams

Accessing Teams

Teams Settings

Keyboard Shortcuts

Using the Calendar in Teams

How to Schedule and Edit a Meeting

How to Begin a Meeting

Meeting Settings Including Camera, Microphone, Share Screen, Video Blur, Hold, Record

Different Ways to Share Screen

The Best Way to Present PowerPoint in a Meeting

Make a New Team

Everyone in the Meeting on the Screen

Adding Members to a Team

Using and Creating Channels

Using and Starting Chat

Pinned and Pop-out Chat

Mention People's Names

Viewing Activity and History

Search in Teams

Adding Files to a Message and the File Tab

Marking Messages as Read and Unread

Creating a New File in Teams

Microsoft Lists to Organize Events, Requests and Assets

Introduction to Apps in Teams

### **Microsoft Teams Intermediate** - Online or on-site, 8 hours, \$225

Advanced Meeting Settings

Microsoft Stream

Shortcuts

Commands - go to Channels, availability, mentions

Customize the Side Bar

Pinning Channels

Copy,Pasting, Reply to Messages

Send messages to multiple Channels at once

Outlook Calendar in Teams and Scheduling Assistant

Meeting Notes and Whiteboard

Notes – how to use the Team and Channel, business processes and instructions

Teams Settings: picture, member permissions, mentions, team code, tags

Hidden Teams, Teams Analytics

Upload, Edit, Open, and Download Files: Excel, Word, PowerPoint in Teams

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**Microsoft Teams Advanced** - Online or on-site, 8 hours, \$225  
Everyone receives a workbook with live training

Channel Tabs and Notifications  
Teams Mobile App and Settings  
Notifications On and Off Detailed Settings  
Share messages in Outlook and get email address of Channel  
Immersive Reader of Messages  
Sharing Files in Messages  
Files Tab in the Side Bar  
OneDrive: upload, sync, share  
SharePoint: upload, sync, share  
SharePoint Home Tab Team Site in a Channel  
Channel email messages in SharePoint  
SharePoint Teams Settings: moving files, rename, get link, make a tab  
Open a Channel (Team Site) in SharePoint  
Tab settings, Rename, Remove  
Channel Connectors  
Apps in specific Channels  
Apps – Yammer, Planner, OneNote, Forms, Who, Weather, Places, Flow, PowerApps  
List of Apps under Messages

**Microsoft OneDrive** – Online or on-site, 8 hours, \$225  
Everyone receives a workbook with live training

Explanation of OneDrive  
How to access your OneDrive  
Add, Rename and Move Files and Folders  
Storage Options  
Make New Documents  
Sync Documents to and from your Computer  
Shared and Private Files, Folders and Links  
Delete Files  
Recover Files from Recycle Bin  
Discover relevant items  
Recent Files  
Shared Libraries  
Sort and Preview Files and Details  
Search and Filters Files and Folders  
Activity  
Send a OneDrive File in Outlook Email  
Notifications  
OneDrive Settings  
OneDrive App

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## **Microsoft SharePoint**

Online or on-site, 8 hours, \$225

Everyone receives a workbook with live training

Explanation of SharePoint

SharePoint Portal

Quick Launch – edit, move, add, remove

Create Sites, moving sites, linking sites, subsites

Share items with team members

Site Navigation and Search box

Site Contents

Recycle Bin

News Post - Make, Edit, Comments

Make Document Libraries and Folders

Make, Share, Edit and Delete Documents

Upload Files and Folders

Sync Folders

Make and Manage Alerts

Views, Filters, Details

Group Calendar – see who is available or unavailable

Groups in Outlook

Collaborating in Files

Document Version Control

Lists and Quick Edit

Make and Edit Pages

SharePoint Teams in Microsoft Teams

Versioning Settings

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### **Microsoft Outlook**

Online or on-site - 8 hours \$225

Everyone receives a workbook with live training

Outlook Shortcuts

Understanding Outlook Menus

Quick Access Menu

Office Theme

Expand Toolbar

Select multiple emails at once

Make a calendar entry from an email

Change to Julian calendar

Detailed Search

Delivery and Read Receipts

Download and Save Email

Add People, Contacts, Groups

Filter Emails – Unread, Newest, Oldest

Making Folders and Rules

Calendar – Appointments, Meetings, Teams, Custom Calendars

Set default calendar view

Notifications and Customization

Detailed Custom Categories

Send Automatic Emails

Out Of Office Auto Reply

Contacts, Address Book and Group Email

Multiple Email Signatures and Business Cards

Add Reminders

Format

Find, Replace, Thesaurus, Search for Commands

Save Draft

Add Attachment

Make Tables

Important Email – Flag

Save Draft of Emails

Retention Rates for Emails

Share Calendars

Change Reply-to

Search Folders

Quick Steps

Email Templates

Email Macros

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**PowerPoint**

Online or on-site - 8 hours \$225

Everyone receives a workbook with live training

How to plan a professional presentation

What's in the PowerPoint ribbon

Keyboard shortcuts

Templates and Themes

Speaker notes and comments

Adding, duplicating and moving slides

Change font size and titles

Designing slides, backgrounds and styles

Slide, text, paragraph formatting

Bullet points

Insert text, shapes, pictures, tables, audio and videos of production processes Modify slide masters and layouts

How to take, edit and save screenshots and screen recordings Text

Boxes

Insert hyperlinks

Page Numbers

Header and Footer

The best way to put charts in PowerPoint

How to share your presentation

Transitions, Animations and Running a Slide Show, presenter's view Annotations during a presentation

How to present a PowerPoint show

Recognize file extensions

Record a presentation as a video

Make presentation a PDF, printing, and sharing

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### **Microsoft Sway**

Online or on-site - 8 hours \$225 Everyone receives a workbook with live training

Explanation of Sway

Creating a Professional Presentation

Sway Templates

Business Storyline

Grouping and Stacking Cards

Search and Insert Images and Videos

Insert Hyperlinks

Formatting

Focus Points

Importing PowerPoint, Word, PDF Files

Invite Others to View or Edit

Pin Sway

Sway Analytics

Putting Sway in Microsoft Teams

Delete and Restore a Sway Presentation

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### **Adobe Spark**

Online or on-site - 8 hours \$225

Everyone receives a workbook with live training

Make Advertisements, Stories, Posts, Pages, Presentations and Slideshows

Start From and Search Templates

Make a Title Page and Subtitle

Add Photos, Text, Buttons, Video, Photo Grid, Glide show and Split

Layouts Create Templates, Brands and Themes

Upload Logos, Choose Company Color and Font

Create Libraries and Save Pictures and Art

Organize and Share Projects

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### **Microsoft Windows File Explorer**

Online or on-site - 8 hours \$225

Everyone receives a workbook with live training

Shortcuts, Shortcuts, and More Shortcuts

Create Your Own Shortcuts

Start Menu File Explorer

Searching Documents Made Easy

Duplicate File Explorer

Going to File Locations With Ease

Organizing Windows like a Breeze

Copying and moving files

Making New Files Like a Pro

Renaming Files

View Details, Icons, Sort, Filter

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### **Web Browser** (Edge, Chrome and Firefox)

Online or on-site - 8 hours \$225

Everyone receives a workbook with live training

Access Business Apps

Keyboard and Mouse Shortcuts

Duplicate Tabs

Open Tabs in New Tab and Window

Set Home Page

Access Home Page

Search Page

Search from URL

Bookmark Page

Access Bookmarks

Manage Bookmarks

View PDF files in Browser

Manage Profile

Browse History

Print from Browser

Downloading and Finding Files

Settings and Options

Make Desktop Shortcuts

Privacy and Security

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### **Microsoft Power Apps**

Online or on-site - 8 hours \$225

Everyone receives a workbook with live training

Explanation of Power Apps

Send Automatic Emails for Approval

Make a new Canvas App

Make App from Excel Data

Upload Pictures, Audio and Video

Preview App

Test App

Check for Errors

See Other Versions of App and Make Notes

Publish and Share App to Mobile and Desktop Devices

Make New Connections of Data Sources

Connect to OneDrive Data

Import SQL Server Data into App

Edit App in PowerApps Studio

Change App Name

Create Variable

Functions

Microsoft Dataverse Tables

Create an Entity

Power Apps in SharePoint

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### **Dropbox Workshop Outline**

Online or on-site - 8 Hours \$225

Everyone receives a workbook with live training

Explanation of Dropbox

How to access Dropbox

How to get the Dropbox desktop app

Where Dropbox is on Computer

Download Dropbox mobile app

Create Folders

Add Files to Dropbox

Share Files and Folders

Comment on Files and At Mention People

Add Dropbox Save Feature to Microsoft Office

Sync Files

Download Files

Version History and Restore Files

Dropbox Preferences

Backup Files

Notifications

Dropbox Paper

File Requests

Exit Dropbox app

Mirror Files Between Two Computers

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JN Training  
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### **Cybersecurity Basics Workshop**

Online or on-site - 8 hours, \$225

Everyone receives a workbook with live training

Passwords

Two Factor Authentication Understanding of Phishing and

Whaling Spam

Junk

Block URLs

Fishy URLs in From Email

Emails Mimicking Your Contacts

Poorly Written Emails

Email that ask for Update of Info or Money Fishy Attachments

Reporting Phishing Emails

Web Browsing

Safe Web Browsing

Privacy Settings and Cookies

Pop-ups

Downloads

Social Media

Working Remotely

Safe Wi-Fi Environments

Location Features

Third Party Apps

Keep Your Devices Up To Date

## **JN Training**

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### **Introduction to Six Sigma for Process Improvement**

8 Hours, \$225 Online or on-site training

Everyone receives a workbook with live training

#### **1) Define**

How to pick a project for improvement

Defining the problem and scope

High level flow diagram of the process

How to assemble a team

Develop a communication plan and identify all stakeholders in the process

Develop a project authorization request (project charter)

#### **2) Measure**

Reason for Measure Phase

What to measure

Validate the reliability of your measurement tools

Identify critical risk factors for processes

Learn how to calculate your current process capability

Measure any other factors that relate to your process

#### **3) Analyze**

Test alternative process parameters

Use relevant statistics to analyze data

Determine most likely changes that will result in improvement

Communicate with stakeholders

Test the chosen improvement scenario

Develop hypothesis statement

#### **4) Improve**

Training relevant employees on the changes

Implement your chosen process changes

Update process documentation

Evaluate statistically documentation of the improvements

Validate the gains of the improvement change

#### **5) Control**

Ensure changes are implemented that make a positive impact

Ensure downstream departments are committed to the new process

Develop an on-going data collection process to ensure changes remain effective

Communicate process changes and financial impacts with all stakeholders

Close the project to plan the next one

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**Google Sheets**

Online or On-site, classroom training - 8 hours, \$225

Everyone receives a workbook with live training

What are Google Sheets?

Make a New Spreadsheet

Spreadsheet Templates

Recent Sheets

Renaming and Copying a Spreadsheet

All Keyboard Shortcuts

Editing a Spreadsheet

Copy, Paste, Format and Highlight

Insert and Move Rows and Columns

Add, Reorder, Hide and Show Sheets

Freezing Rows and Columns

Conditional Formatting

Sorting and Filtering

Formulas – Sum, Average, Min, Max

Formulas – Count Number, All, Unique, Blank, Ifs

Import Google Sheets, Excel and CSV Files

Make Charts

Printing a Spreadsheet

Share a Spreadsheet With Team Members

Tracking Changes and Revisions

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## **Advanced Power BI**

Online or On-site, classroom training - 2 days (16 hours) \$600

Everyone receives a workbook with live training

Merge Queries with Different Kinds of Joins (Inner, Left, Right, Full, Outer)

Advanced Data Transforming

Group By Columns, Custom Columns from Example

Copy Queries and Paste into another PBI file

From Folder – Combine and Transform

Extract Data – Length, Range and Delimiter

Trim, Clean and Replace Errors

Product Hierarchies

Placing Comments in DAX Measures and M Language

FIRSTNONBLANK, ENDOFMONTH, DATESINPERIOD, SWITCH, COALESCE, REMOVEFILTERS, KEEPFILTERS, VALUES,

DISTINCT, SELECTEDVALUE, ALLEXCEPT, ADDCOLUMNS, SUMMARIZE, GENERATESERIES, RELATED,

RELATEDTABLE, USERRELATIONSHIPS, CROSSFILTER, TREATAS

Variables in Measures

Page Filters

Matrix, KPI, Chiclet Visuals

Advanced Filtering of Tables

MDX and Edit M Language from Blank Queries

Pivot, Reference, Group Reports, Parameters, Functions, Lists, Records

Custom Functions and Invoke Functions

Performance Analyzer

Mobile Layout

Using the Same Font in Every Power BI File

Power BI Options and Settings

Save and Import Themes

KPI coloring by changing font, fill, symbols

Refreshing of Data

Power BI Services

Python Visuals: violin charts, swarmplots, pairplots, scatterplots

Python script to fill in nulls with column averages for advanced analysis

R Visuals: boxplot, jitter, histograms, 3D scatter, corrplot logistic regression

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### **Microsoft Azure Security 3-Day Training**

Online or On-site, classroom training \$1,050

#### **Day 1 – Azure AD Security**

Zero Trust

Types of threats

Microsoft Licenses E3, E5

Role-Based Access Control: Separate Azure Roles for Higher Security

Azure AD Admin Center

Create Conditional Access Policies and Require MFA

Microsoft Authenticator

Privileged Identity Management (PIM)

Chat and file security in Teams

Security fundamentals

Identity concepts

Manage users' access in 365 and SharePoint

Download login info

#### **Day 2 – Microsoft 365 Defender and Microsoft Purview**

Microsoft 365 Defender

Safe Links/Safe Attachments

Defender for Endpoint for Devices vs Microsoft Defender for O365

Defender for Cloud Applications

DLP Policies via Sensitivity Labels

3 main things lead to insider threat: Provocation, Opportunity,

Rationalization HR connectors to verify provocations by potential insiders

Secure and Managing Big Data

Finding everywhere data is located using Purview

Information protection

Data Lifecycle

Create an Azure Purview Account

Apply sensitivity labels to Azure Purview

Scan Tables in Azure SQL Databases with Purview

Set Scan Triggers in Purview

#### **Day 3 – Microsoft Sentinel**

Investigate, respond to and hunt for threats

Create and Manage a Microsoft Sentinel workspace

Create a Log Analytics workspace

Connect Sentinel to 3<sup>rd</sup> Party Data Sources

Add Azure Sentinel to Log Analytics workspace

Connect Azure Virtual Machine to Log Analytics workspace

Create Queries using Kusto Query Language (KQL)

Connect 365 Defender to Sentinel

Penetration Testing the Tenant