



Name of the course (Spanish):

Especialista en Visualización de Datos

Name of the course (English):

Data Visualization Specialist

Description of the course (Spanish):

Sumérgete en el mundo de la narración de datos con nuestro curso “Especialista en visualización de datos”, centrado en Power BI. Domine el arte de crear informes y paneles de control atractivos, habilidades esenciales para el panorama actual basado en datos. Eleve sus perspectivas profesionales adquiriendo experiencia en una herramienta ampliamente utilizada en todas las industrias. Inscríbese ahora para mejorar sus habilidades de visualización de datos y abrir puertas a interesantes oportunidades profesionales en análisis e inteligencia empresarial.

Description of the course (English):

Dive into the world of data storytelling with our “Data Visualization Specialist” course, centered on Power BI. Master the art of creating compelling reports and dashboards, essential skills for today’s data-driven landscape. Elevate your career prospects by acquiring expertise in a tool widely used across industries. Enroll now to enhance your data visualization skills and open doors to exciting career opportunities in analytics and business intelligence.

URL of Module: [Data Visualization Specialist - CCS Learning Academy Costa Rica](#)

Cost: \$995

Mode: Virtual

Duration: 120 (Hours)

Name: Data Visualization Specialist (Module)

Module Contents:

COURSE	TOPIC	DESCRIPTION
SQL Server	Introduction to SQL Server	Provides learners with a foundational understanding of this powerful relational database management system (RDBMS) developed by Microsoft. SQL Server is widely used in various industries for storing, managing, and analyzing data, making it essential for professionals pursuing careers in database administration, development, and business intelligence
SQL Server	Data Definition Language (DDL)---CREATE, ALTER, TRUNCATE, DROP	DDL commands in SQL Server are crucial for defining the structure and organization of database objects such as tables, indexes, views, and schemas. These commands enable database administrators and developers to create, modify, and manage the database schema, ensuring data integrity and consistency
SQL Server	Data Manipulation Language (DML)---INSERT, UPDATE, DELETE	DML commands in SQL Server are essential for manipulating data stored within database tables. These commands, including INSERT, UPDATE, and DELETE, allow users to retrieve, add, modify, and remove data, enabling dynamic interaction with the database
SQL Server	Data Query Language (DQL)---SELECT	DQL commands in SQL Server, primarily the SELECT statement, are fundamental for retrieving data from database tables. These commands enable users to perform queries to extract specific information based on specified criteria, facilitating data analysis, reporting, and decision-making processes
SQL Server	Constraints--Primary Key, Foreign Key, Unique Key, Check, Not Null	Constraints in SQL Server play a vital role in ensuring the integrity and reliability of database data. They define rules and limitations that enforce data accuracy, consistency, and validity within tables
SQL Server	Wild Cards	Wildcards in SQL Server are powerful tools used in query operations to perform pattern matching and search for data with unknown or variable values. By leveraging wildcards in SQL queries, users can create flexible and dynamic search conditions, enabling them to retrieve relevant data efficiently from large datasets.

SQL Server	Joins--INNER JOIN, OUTER JOIN, SELF JOIN, RESTRICTED JOIN, CROSS JOIN	Joins in SQL Server are essential for combining data from multiple tables based on related columns, enabling users to retrieve comprehensive and meaningful information from a database. By using various types of joins such as INNER JOIN, LEFT JOIN, RIGHT JOIN, and FULL JOIN, users can establish relationships between tables and extract relevant data sets that meet specific criteria
MS-Excel	Introduction to Excel	Excel is a powerful spreadsheet application used for data analysis, calculation, and visualization in various professional fields such as finance, accounting, marketing, and project management
MS-Excel	Conditional Formatting	Conditional Formatting in Excel is a powerful feature that allows users to visually highlight and analyze data based on specified conditions. It enables users to identify trends, outliers, and patterns within their data more effectively, enhancing data analysis and decision-making processes
MS-Excel	Sorting and Filtering	Sorting and Filtering empower users to manipulate and analyze large datasets effectively, improving data organization, visualization, and decision-making processes
MS-Excel	Excel Functions	Excel functions are powerful tools that allow users to perform a wide range of calculations, data analysis, and manipulation tasks within spreadsheets and provide the capability to automate calculations and streamline workflows
MS-Excel	Excel Database Features (Importing and Exporting Data, Data Validation, Group and Ungroup, Consolidate, What-If Analysis)	Excel's database features provide users with the ability to manage and analyze large sets of data efficiently within familiar spreadsheet environments. Additionally, Excel's integration with external data sources and databases enables seamless data import and export, facilitating data integration and analysis across multiple platforms.
Power BI	Introduction to Power BI	Power BI is a leading business intelligence tool that enables users to transform raw data into actionable insights through interactive dashboards, reports, and visualizations
Power BI	Power BI Desktop Interface (Power BI Tabs, Active and Inactive Relationship, Cross Filter)	The Power BI Desktop interface serves as the central hub for creating, designing, and analyzing data visualizations and reports within the Power BI ecosystem.
Power BI	Connectivity Methods (Import, Direct Query, Live Connection)	Connectivity methods are vital in Power BI as they enable users to seamlessly integrate data from various sources into their reports and dashboards
Power BI	Visualizations (Bar Chart, Pie Chart, Gauge, KPI, Maps, Bubble Chart, Line Chart, Slicer, Cards, TreeMap, Combo Chart.....)	Visualizations are a cornerstone of Power BI, allowing users to transform raw data into compelling and insightful visuals that drive understanding and decision-making

Power BI	Power Query (Transformations, M-Code, Query Folding)	Power Query is a crucial component of Power BI that allows users to easily connect to and transform data from multiple sources. With Power Query, users can cleanse, reshape, and merge data from various sources, ensuring data quality and consistency
Power BI	DAX Functions	DAX functions are essential tools in Power BI for performing advanced calculations, aggregations, and data analysis tasks. These functions enable users to create sophisticated measures and calculated columns that transform raw data into meaningful insights
Power BI	BookMark and Filters	Bookmarks and filters are powerful features in Power BI that allow users to enhance interactivity and storytelling within their reports and dashboards and enabling audience to explore data, uncover insights, and make informed decisions
Power BI	Row Level Security	Row-level security (RLS) is a critical feature in Power BI that enables organizations to control access to data at the row level based on user roles and permissions
Power BI	Power BI Service (Dashboard, Workspace, Report and Dashboard Sharing, Subscriptions, Alerts, Gateway, Report and dashboard Refresh, Security)	The Power BI Service is a cloud-based platform that allows users to share, collaborate, and consume Power BI reports and dashboards online. It enables users to publish their Power BI content to the cloud, making it accessible to stakeholders across the organization, regardless of their location or device
