BRASI
SINCE 1981

CSCD

Certified Supply Chain Data Analyst

TRAINING COURSE

Program Features and Administration

BUSINESS RESEARCH AND SERVICE INSTITUTE LLC

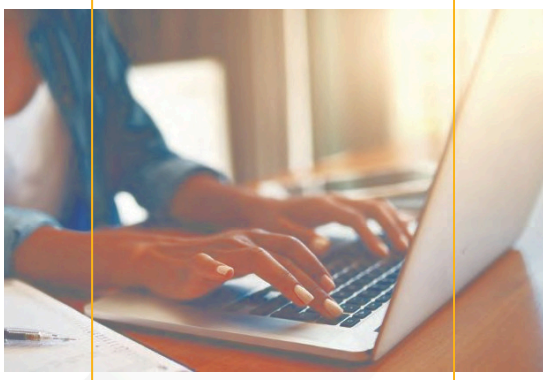
www.brasi.org

CSCD LEARNING OBJECTIVES

Upon completion of CSCD training, the learner will be able to:

- Explain the role and importance of data analytics in supply chain management and its impact on decision-making.
- Differentiate between structured and unstructured data and identify their relevance in supply chain operations.
- Apply data collection techniques using both internal (ERP, WMS, TMS) and external (supplier, market, social media) sources.
- Demonstrate data cleansing and preparation methods to ensure accuracy, integrity, and usability of supply chain datasets.
- Integrate data from multiple sources to build a unified dataset for comprehensive supply chain analysis.
- Analyze historical supply chain data to identify trends, inefficiencies, and opportunities for improvement.
- Utilize descriptive analytics to interpret supply chain performance and support evidence-based decision-making.
- Apply predictive analytics models such as regression, time-series analysis, and machine learning for demand and supply forecasting.
- Leverage prescriptive analytics techniques (optimization, simulation, decision trees) to recommend optimal supply chain strategies.
- Identify and categorize supply chain KPIs across operational, financial, supplier, and customer-focused dimensions.
- Interpret KPI results using trend analysis, benchmarking, and root cause investigation.
- Design and implement KPI dashboards using tools like Power BI and Tableau for real-time performance monitoring.
- Apply data visualization techniques (charts, heat maps, dashboards) to simplify and communicate complex supply chain insights.
- Evaluate data security, privacy, and ethical issues in supply chain analytics, including regulatory compliance (GDPR, CCPA).
- Develop and implement ethical guidelines and risk strategies to ensure transparency, accountability, and responsible data usage.
- Assess risks in supply chains using predictive analytics, scenario planning, and early-warning indicators
- Apply optimization techniques (linear programming, decision optimization) to improve inventory, transportation, and resource allocation.
- Interpret and analyze real-world case studies (e.g., Walmart, GE, P&G) to connect theory with practical supply chain challenges.
- Assess the impact of emerging technologies (AI, IoT, blockchain, cloud platforms) on supply chain analytics and KPI measurement.
- Develop strategies for continuous improvement by integrating data insights, KPI results, and analytics-driven initiatives into supply chain processes.

CSCD
CERTIFICATION PROGRAM'S
Purpose and Scope



The Certified Supply Chain Data Analyst (CSCD) program is designed to empower professionals with the knowledge and skills needed to transform raw supply chain data into actionable insights that drive efficiency, resilience, and competitiveness. Its purpose is to bridge the gap between supply chain operations and data-driven decision-making by equipping participants with practical tools in data collection, cleansing, visualization, and analysis. The scope of CSCD spans across the full analytics cycle—covering data preparation, dashboard development, KPI monitoring, predictive modeling, and storytelling with data. Participants gain hands-on experience using Power BI and related tools to interpret demand, supply, inventory, procurement, and logistics data. The program emphasizes both technical proficiency and business acumen, ensuring that learners can not only design impactful dashboards but also align insights with organizational objectives. By integrating analytics into supply chain processes, CSCD graduates are prepared to support strategic decisions, optimize performance, and contribute to digital transformation initiatives across industries.

INFERENCE ABOUT CSCD CERTIFICATE HOLDERS

A CSCD certificate holder transforms supply chain data into actionable insights, skilled in analytics and visualization to drive efficiency, strategic decision-making, and digital transformation across global operations.

www.brasi.org

CSCD **Self-paced & Instructor-led** Courses

CSCD CURRICULUM:

The CSCD program equips professionals with essential knowledge and practical tools to excel in supply chain data analytics and decision-making.

Module 1: Data Collection, Cleansing & Preparation, Supply Chain Metrics, KPIs, and Database Fundamentals.

Module 2: Data Visualization with Power BI, Dashboard Design, Demand & Inventory Analytics, Procurement & Logistics Reporting.

Module 3: Predictive Analytics, Scenario Modeling, Forecast Accuracy, Risk & Performance Analysis, What-If Simulations.

Module 4: Data Storytelling, Strategic Insights, Digital Transformation in Supply Chains, Sustainability Analytics, Continuous Improvement, and AI/ERP Integration.

By combining analytics, technology, and business insight, CSCD prepares participants to transform raw data into actionable intelligence, enabling organizations to optimize performance, enhance resilience, and achieve competitive advantage in today's data-driven global marketplace.

Who will benefit:

The CSCD course is ideal for supply chain professionals, analysts, managers, and business leaders seeking to enhance decision-making through data. It also benefits recent graduates and career changers aiming to build in-demand skills in analytics and visualization. Organizations can leverage CSCD-trained professionals to improve efficiency, resilience, and competitiveness in today's data-driven global marketplace.

MODE OF TRAINING:

1. Access to OnlineLearningResources – Video lessons, downloadable handbooks, exercises, templates, quizzes, and related materials.
2. Instructor-Led Training (Optional) – Learners may join scheduled cohorts announced on BRASI's website.
3. Final Test (Optional) – A proctored online test comprising multiple-choice questions from the course curriculum. Learners can book a test date listed on BRASI's website.

Each component is priced individually, allowing learners flexibility in their learning path. Learners may choose self-study, join instructor-led sessions, or pursue certification. A free retake is available if the first attempt at the final test is unsuccessful. Learners opting for course review without certification may request a letter of completion.

COURSE DURATION:

Learners receive threemonths of online course access, with extensions available upon request or if an instructor-led cohort continues beyond the initial period. The course may be completed earlier, depending on the learner's pace and time commitment. Instructor-led cohorts include 12 contact hours, delivered through four weekly sessions of three hours each.

Certificate Award:

The CSCD – Certified Supply Chain Data Analyst credentials is awarded upon successfully passing the final test.

Certificate Validity:

CSCD Certificate is valid-for life.

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Technical Requirements:

Learners require:

- A computer with high-speed internet,
- A webcam for the proctored exam, and
- Audio-visual equipment if attending instructor-led sessions.

Eligibility:

The program is open to anyone with a good understanding of English, Basic math skills, and Proficiency in common desktop applications such as Microsoft Word and Excel.
Prior experience in procurement is an advantage for understandingadvanced topics.

How to Sign Up

To enroll:

1. Visit www.brasi.org and select the CSCD course from the homepage.
2. Choose from the available course options and proceed to checkout.
3. Access to online learning resources is granted immediately upon payment.
4. Instructor-led cohorts and exams can be selected from the course calendar.

Learners may contact an instructor via the Contact Instructor link in the course portal. For additional support, use the chatbot or the Contact Us form on the website.

BRASI's training courses are offered globally, and are known for their effectiveness. Students have access to the same high quality learning Learning Management System (LMS), and the standard assessment criteria. Training formats include Instructor led Online and Instructor-led Onsite.

Training formats include Instructor led Online and Instructor-led Onsite, as well as Self-paced, offering unmatched flexibility and convenience for today's busy lifestyle.

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