CATALOG OUTLINE

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CATALOG OUTLINE

HISTORY

At Colaberry Inc. we are dedicated to providing guidance and offering technology training boot camps to students, with or without prior IT knowledge. The boot camps were started to train military veterans so that they can transition into well-paying careers at home and realize their American dream. We offer boot camps in our online virtual classrooms. The boot camps are taught by several part-time instructors who have direct industry experience or students who graduated from past boot camps and got jobs in the industry. The method of instruction is a boot camp model where the instruction is delivered through “learn by doing” hands-on workshops and online self-service platform for asynchronous learning. We have the privilege of working with career transitioners from all demographics such as veterans, women, minorities, refugees, immigrants, displaced workers, etc. and assisting them transitioning into good careers in the technology industry.

We offer a transformative seminar for providing students without a background in IT the necessary fundamentals for advanced instruction or enhancing individuals' technology and data related skills to excel in their professions for those already working in the field. Our Introduction to Data Analytics seminar prepares participants with the fundamental knowledge necessary for advanced instruction in Data Analytics, Data Visualization, and Data Science. The seminar is designed for those who seek to expand their basic proficiency in these areas, enabling them to leverage the power of data effectively. Students who pursue advanced instruction through our boot camps can move toward mastery in these areas.

Data literacy is increasingly crucial in today's digital age, as it equips professionals to perform their tasks more efficiently and achieve superior outcomes. Our goal is to enable individuals to harness the potential of data, regardless of their specific career paths.

Our comprehensive curriculum covers a range of roles that involve working with data for generating reports or recommendations, inferences, creating and training AI based models etc. Such roles include Data Scientists, Business Intelligence Analysts, Computer and Information Research Scientists, Data Warehousing Specialists, and Management Analysts, among others. In addition, the skills taught in our introductory seminar are also beneficial for individuals already working in roles which involve collecting and/or entering information, such as Data Entry Keyers, First-Line Supervisors of Office and Administrative Support Workers, and Word Processors.

At Colaberry Inc., we have developed a revolutionary, gamified, goal-based learning platform that facilitates hands-on training in key technical skills for learners. Additionally, we emphasize the development of critical communication and collaboration abilities that are essential for thriving in their professions and deliver exceptional results in their work.

We are humbled and excited to have had some of our programs featured in newspaper articles and look forward to making an even larger impact in more communities.

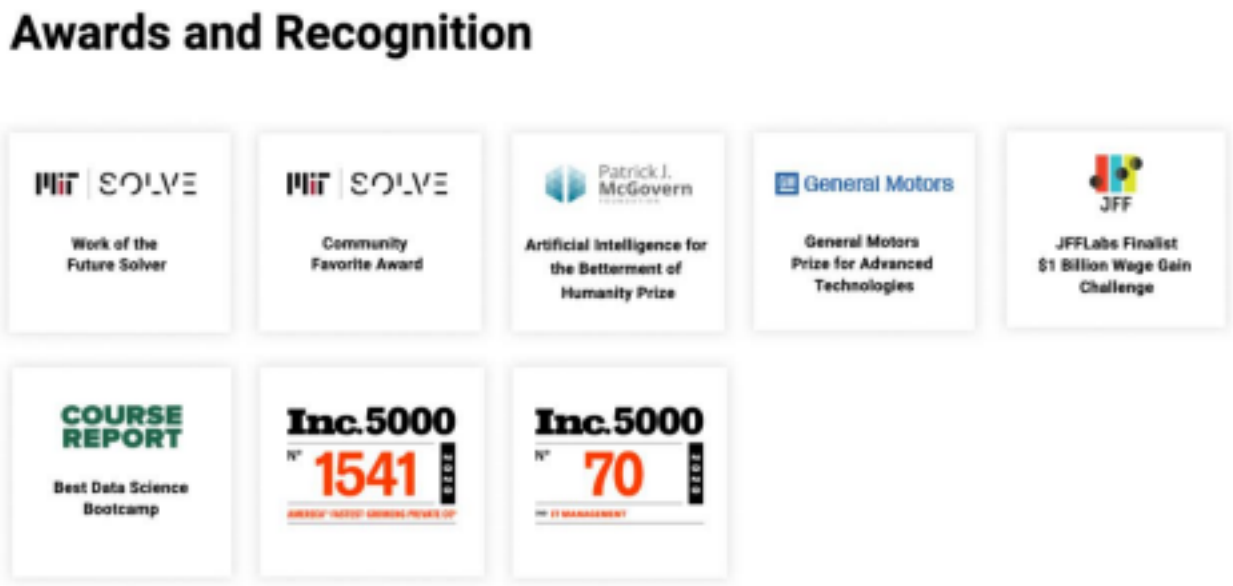
Methods of Program Delivery

We currently offer our Introduction to Data Analytics seminar in online virtual instructor led mode, to facilitate direct interaction between students and instructors and ensure the basic concepts necessary for advanced instruction are thoroughly absorbed.

We offer our boot camps in two different formats, online and on-demand, to suit the varying needs of aspiring developers and independent consultants.

There will be an Instructor and two Teaching Assistants in each of the online sessions. The Live Instructor and Teaching Assistants lead the seminars from our State-of-the-Art Colaberry, Inc. Learning Studios or from home studios.

AWARDS, RECOGNITION, ACCREDITATION AND APPROVALS



Colaberry's impact has been recognized as a scalable solution to address the global future of work challenge:

● In 2018, MIT Solve selected our talent training platform, Refactored.ai, as the "Most Promising Work of the Future" solution from over 1,100 global submissions.

● Refactored.ai, also received General Motors' Prize for Advanced Technologies, McGovern Foundation's AI for the Betterment of Humanity Prize, and MIT Solve's Community Favorite Award.

● Most recently, Refactored was chosen by JFF Labs supported by Schmidt Futures as a finalist for the $1 Billion Wage Gain Challenge out of over 90 submissions. ● In 2020, Inc. 5000 recognized Colaberry as one of the fastest-growing private companies in the United States.

● In addition, Course Report selected the Colaberry training program as one of the best Data Science Bootcamps of 2020. Boston Newspaper Highlights Colaberry's Job-readiness Partnership with Roxbury Community College, MA
https://www.baystatebanner.com/2016/03/24/roxbury-community-colleges-answer-to-the-challenge-of-economic-freedom/

● MIT IDE Inclusive Innovation Competition Finalist

● CIO 100 Most Promising Big Data Solutions Providers 2015

● CIO 100 Most Promising Big Data Companies 2014

TEAM

COLABERRY INC EXECUTIVE TEAM

Ram Katamaraja, Chief Executive Officer

Ali Muwwakkil, Managing Director

TEAM

Shemika Hopson, AVP of Student Success

Hayden Mohammed, Registrations Representative

Kyamil Dzhavadov, Project Supervisor

COLABERRY INC GURUS

#	Instructor Name	Titles Held
1	Ali Muwwakkil	Managing Director
2	Alex Gibson	Microsoft and QlikView Architect
3	Abdullah Mamun	Principal Data Engineer
4	Nathaniel Outlaw	Lead Power BI Developer
5	Chantal Togbey	Instructor
6	Ahmed Mamood	Instructor
7	Dozie Uchegbulam	Instructor
8	Anthony Onicha	Instructor
9	Yvette Ngiri	Instructor
10	Josiane De Biyong	Instructor

REGISTRATION

Registration can be completed in less than 60 seconds using the following link:
http://training.colaberry.com

Click “Get Started.”

The registration link will be included in all email campaigns, social media campaigns, flyers and catalogs to allow students to register for each class.

List of seminars offered at Colaberry Inc

S. No.	Seminar Name	Subject/ Duration	Topics
1	Introduction to Data Analytics	Data Analytics Tools/ 22 Hours	Topic 1: DEVELOPMENT TOOLS - (2 hours) Topic 2: QUERY EDITOR FEATURES - (1.5 hours) Topic 3: WORKING WITH TABLES - (1.5 hours) Topic 4: SELECTING AND GROUPING DATA - (1.5 hours) Topic 5: CONSTRAINTS - (1.5 hours) Topic 6: LIMITING AND SORTING DATA - (1.5 hours) Topic 7: SYSTEM FUNCTIONS - (1.5 hours) Topic 8: VARIABLES - (1.5 hours) Topic 9: USER DEFINED FUNCTION - (1.5 hours) Topic 10: TEMP DATA STRUCTURES - (1.5 hours) Topic 11: JOINS - (1.5 hours) Topic 12: STORED PROCEDURES - (1.5 hours) Topic 13: VIEWS AND TRIGGERS - (1.5 hours) Topic 14: REVIEW - (2 hours)
		Analysis and Reporting/ 9.5 Hours	Topic 1: REPORTING ARCHITECTURE - (2 hours) Topic 2: CHARTS AND GRAPHS - (1.5 hours) Topic 3: TABLES MATRIX AND DRILLDOWNS - (1.5 hours) Topic 4: PARAMETERS - (1.5 hours) Topic 5: SUB REPORTS AND DRILL THROUGH - (1.5 hours) Topic 6: REPORT AUTOMATION - (1.5 hours)
		Data Integration / 11.5 Hours	Topic 1: DATA MANIPULATION BASICS - (2 hours) Topic 2: VARIABLES & EXPRESSIONS - (1.5 hours) Topic 3: DATA PROFILING - (1.5 hours) Topic 4: AUDITING & ERROR HANDLING - (1.5 hours) Topic 5: PACKAGE DESIGN - (1.5 hours) Topic 6: DEPLOYMENT & STORAGE - (1.5 hours) Topic 7: END OF CLASS - (2 hours)

List of Courses offered at Colaberry Inc

C. No	Courses Offered	Duration	Course Details
1	Data Science I	8 weeks	2 days a week Sat 9:00 AM to 12:30 PM and Wed 6:30 PM to 9:00 PM Method of Delivery: Online Synchronous Distance Education Bootcamp
2	Data Science II	8 weeks	2 days a week Sat 9:00 AM to 12:30 PM and Wed 6:30 PM to 9:00 PM Method of Delivery: Online Synchronous Distance Education Bootcamp
3	Data Visualization with Tableau	8 weeks	Self-paced Method of Delivery: Online On demand Asynchronous Distance Education Bootcamp
4	Data Visualization with Power BI	8 weeks	Self-paced Method of Delivery: Online On demand Asynchronous Distance Education Bootcamp
5	Data Visualization with QlikView	8 weeks	Self-paced Method of Delivery: Online On demand Asynchronous Distance Education Bootcamp
6	Data Warehousing Architect	8 weeks	Self-paced Method of Delivery: Online On demand Asynchronous Distance Education Bootcamp
7	Job Readiness Program (Interview Prep Bootcamp)	11 months	Self-paced Asynchronous Distance Education Bootcamp

INTRODUCTION TO DATA ANALYTICS SEMINAR

Duration 43 hours over 12 Weeks period

Schedule: Cohort meets 2 days a week

Saturdays 9:00 AM to 1:00 PM CST

Tuesdays 6:30 PM to 9:30 PM CST

Virtual/Schedule Synchronous Distance Education Program

SEMINAR DESCRIPTION

The Introduction to Data Analytics seminar is designed to thoroughly familiarize you with the field of data analytics. The primary purpose of the seminar is to introduce you to the field and provide you with the fundamental knowledge and skills required for advanced instruction, while also being useful to you in your current job.

Learners will get to learn the fundamentals of Data Analytics and also practically learn at a very high level about using a platform like SQL Server for creating data analytics.

This seminar does not result in a license or any occupational credential.

THE GOAL

By completing this seminar, you will understand the fundamentals of data analytics and its uses. You will also have gained the necessary understanding of these fundamentals to prepare you for advanced instruction.

ADMISSION REQUIREMENTS

● Successful completion of public, private, or home schooling at the high school level or obtainment of a recognized high school equivalency credential, recognized by an institution of higher education or a private or independent institution of higher education, as defined by Texas Education Code, §61.003.

SEMINAR OUTLINE

Subject 1 – Data Analytics Tools(22 Class Hours)

- Topic 1: DEVELOPMENT TOOLS - (2 hours) - (Week1 - Day1)
- Topic 2: QUERY EDITOR FEATURES - (1.5 hours) – (Week 1 – Day2)
- Topic 3: WORKING WITH TABLES - (1.5 hours)– (Week2 – Day1)
- Topic 4: SELECTING AND GROUPING DATA - (1.5 hours) – (Week2 – Day 2)
- Topic 5: CONSTRAINTS - (1.5 hours)– (Week3 – Day 1)
- Topic 6: LIMITING AND SORTING DATA - (1.5 hours)– (Week3 – Day 2)
- Topic 7: SYSTEM FUNCTIONS - (1.5 hours)– (Week4 – Day 1)
- Topic 8: VARIABLES - (1.5 hours)– (Week4 – Day 2)
- Topic 9: USER DEFINED FUNCTION - (1.5 hours)– (Week5 – Day 1)
- Topic 10: TEMP DATA STRUCTURES - (1.5 hours)– (Week5 – Day 2)
- Topic 11: JOINS - (1.5 hours)– (Week6 – Day 1)
- Topic 12: STORED PROCEDURES - (1.5 hours)– (Week6 – Day 2)
- Topic 13: VIEW AND TRIGGERS - (1.5 hours)– (Week7 – Day 1)
- Topic 14: REVIEW – (2 hours) - (Week7 – Day 2)

Subject 2 – Analysis and Reporting (9.5 Class Hours)

- Topic 1: REPORTINGARCHITECTURE - (2 hours) - (Week1 - Day1)
- Topic 2: CHARTS AND GRAPHS - (1.5 hours) – (Week 1 – Day2)
- Topic 3: TABLES MATRIX AND DRILLDOWNS - (1.5 hours)– (Week2 – Day1)
- Topic 4: PARAMETERS - (1.5 hours) – (Week2 – Day 2)
- Topic 5: SUB REPORTS AND DRILLTHROUGH - (1.5 hours)– (Week3 – Day 1)
- Topic 6: REPORT AUTOMATION - (1.5 hours)– (Week3 – Day 2)

Subject 3 – Data Integration (11.5 Class Hours)

- Topic 1: DATA MANIPULATION BASICS - (2 hours)- (Week1 – Day1)
- Topic 2: VARIABLES & EXPRESSIONS - (1.5 hours) – (Week1 – Day2)
- Topic 3: DATA PROFILING - (1.5 hours)– (Week2 – Day 1)
- Topic 4: AUDITING & ERROR HANDLING - (1.5 hours)(Week2 - Day2)
- Topic 5: PACKAGE DESIGN - (1.5 hours)– (Week3 – Day 1)
- Topic 6: DEPLOYMENT & STORAGE - (1.5 hours)– (Week3 – Day 2)
- Topic 7: END OF CLASS - (2 hours)– (Week4 – Day 1)

DATA VISUALIZATION WITH TABLEAU

Duration 8 Weeks

Schedule Self-Paced Asynchronous Distance Education Program

COURSE DESCRIPTION

Data visualization market is expected to grow exponentially as almost all organizations have started investing heavily to analyze, present and deliver actionable business intelligence from troves of data being collected.

Tableau is known as the easiest and business user friendly data analysis and visualization software in the market. With its breakthrough technology called VizQL allows even non technical business users to easily visualize data of any size with simple drag and dropping. The tool is also known for humanizing visualization, its revolutionary abilities to suggest visualization for data following some of the best practices of data visualization. So, any user can produce the right visualization for the right analysis and help bring actionable business intelligence.

THE GOAL

By completing this bootcamp, you will become proficient in delivering stunning visualizations and facilitate discovery of critical and actionable business intelligence with Tableau Software's Tableau platform.

ADMISSION REQUIREMENTS

● Successful completion of public, private, or home schooling at the high school level or obtainment of a recognized high school equivalency credential, recognized by an institution of higher education or a private or independent institution of higher education, as defined by Texas Education Code, §61.003.

• Knowledge of Data Analytics fundamentals, equal to a minimum 40 hours of formal instruction in data analytics or 3-6 months of employment in a data analytics position or completion of the "Introduction to Data Analytics Seminar." Completion of the "Introduction to Data Analytics Seminar" is required if the student is new to Data Analytics.

COURSE OUTLINE

MODULE1 - Tableau Developer (2 Weeks---10 Class Hours---40 Lab Hours)

- Introduction and Getting Started – Week1 – Day1
- Connecting to data – Week1 – Day2
- Working with Measures and Dimensions – Week2 – Day1
- Working with Actions and Filters in Worksheet – Week2 – Day2

MODULE2 - Tableau Advanced Features (2 Weeks---10 Class Hours---40 Lab Hours

- Building Visualizations – Week3 – Day1
- Building Custom Calculations and Parameters – Week3 – Day2
- Working with Maps, WMS Server, Geocoding – Week4 – Day1
- Authoring Dashboards and Stories – Week4 – Day2

MODULE3 - Tableau Admin/ Interacting with Tableau Server (2 Weeks---10 Class Hours- --40 Lab Hours)

- Tableau Server Architecture – Week5 – Day1
- Deploying and Publishing to Tableau Server – Week5 – Day2
- Tableau Server Web Authoring Environment – Week6 – Day1
- Accessing the Tableau Server Performance Recording Dashboard – Week6 – Day2

MODULE4 - Tableau Project/ Case Study (2 Weeks---10 Class Hours---40 Lab Hours)

- What's New in Tableau 10 – Week7 – Day1
- Tableau Project Case Study 1 – Week7 – Day2
- Tableau Project Case Study 2 – Week8 – Day1
- Tableau Project Case Study 3 – Week8 – Day2

DATA VISUALIZATION WITH QLIKVIEW

Duration 8 Weeks

Schedule Self Paced Asynchronous Distance Education Program

COURSE DESCRIPTION

Data visualization market is expected to grow exponentially as almost all organizations have started investing heavily to analyze, present and deliver actionable business intelligence from troves of data being collected.

By completing this course, you will become proficient in delivering stunning visualizations and facilitate discovery of critical and actionable business intelligence with Qlik's QlikView platform.

QlikView, known as one of the pioneers in delivering blazing business intelligence with its enterprise class in-memory business discovery platform. QlikView's patented distributed business intelligence engine is capable of generating dynamic views of information, with its 'automagical' inference of associations between different pieces of data and facilitating 'discovery' of critical patterns. With superior compression and on the fly data aggregation technology, business users can quickly explore, discover and analyze data at the speed of their thoughts.

By completing this totally hands-on course, you will become proficient in delivering stunning visualizations and facilitate discovery of critical and actionable business intelligence with Qlik's QlikView platform.

THE GOAL

By completing this bootcamp, you will become proficient in delivering stunning visualizations and facilitate discovery of critical and actionable business intelligence with Qlik's QlikView platform.

ADMISSION REQUIREMENTS

● Successful completion of public, private, or home schooling at the high school level or obtainment of a recognized high school equivalency credential, recognized by an institution of higher education or a private or independent institution of higher education, as defined by Texas Education Code, §61.003.

• Knowledge of Data Analytics fundamentals, equal to a minimum 40 hours of formal instruction in data analytics or 3-6 months of employment in a data analytics position or completion of the “Introduction to Data Analytics Seminar.” Completion of the “Introduction to Data Analytics Seminar” is required if the student is new to Data Analytics.

COURSE OUTLINE

MODULE1 – QlikView Designer (2 Weeks---10 Class Hours---40 Lab Hours)

- QlikView Introduction – Week1 – Day1
- QlikView Scripting and Data Loading – Week1 – Day2
- Visualizations and Expressions – Week2 – Day1
- Formatting and Settings – Week2 – Day2

MODULE2 – QlikView Developer (1 ½ Week ---8 Class Hours---25 Lab Hours)

- Best Practice Guidelines– Week3 – Day1
- Data Modeling and Data Quality– Week3 – Day2
- Scripting and Functions– Week4 – Day1

MODULE3 – Advanced QlikView Features (2 Weeks---10 Class Hours---40 Lab Hours)

- Advanced Data Modeling and Scripting– Week4 – Day2
- Loading Strategies and Advanced Data Quality– Week5 – Day1
- Architecture and Section Access– Week5 – Day2
- Deployment and Automation– Week6 – Day1

MODULE4 – Qlik Project (2 Weeks---10 Class Hours---40 Lab Hours)

- Qlik Project Phase1 – Week6 – Day2
- Qlik Project Phase2– Week7 – Day1
- Qlik Project Phase 3– Week7 – Day2
- Qlik Project Phase 4– Week8 – Day1

DATA VISUALIZATION WITH POWER BI

Duration 6 ½ Weeks

Schedule Self Paced Asynchronous Distance Education Program

COURSE DESCRIPTION

Data visualization market is expected to grow exponentially as almost all organizations have started investing heavily to analyze, present and deliver actionable business intelligence from troves of data being collected.

Data visualization market is expected to grow exponentially as almost all organizations have started investing heavily to analyze, present and deliver actionable business intelligence from troves of data being collected.

THE GOAL

By completing this bootcamp, you will become proficient in delivering stunning visualizations and facilitate discovery of critical and actionable business intelligence with Microsoft's Power BI platform.

ADMISSION REQUIREMENTS

● Successful completion of public, private, or home schooling at the high school level or obtainment of a recognized high school equivalency credential, recognized by an institution of higher education or a private or independent institution of higher education, as defined by Texas Education Code, §61.003.
• Knowledge of Data Analytics fundamentals, equal to a minimum 40 hours of formal instruction in data analytics or 3-6 months of employment in a data analytics position or completion of the "Introduction to Data Analytics Seminar." Completion of the "Introduction to Data Analytics Seminar" is required if the student is new to Data Analytics.

COURSE OUTLINE

Power BI Designer (1 ½ Weeks---7 1/2 Class Hours---30 Lab Hours)

• Power BI Transformations – Week1 – Day1
• Power BI Desktop – Week1 – Day2
• Working with Excel – Week2 – Day1

Power BI Developer (1 Week---5 Class Hours---20 Lab Hours)

- Desktop Visualizations – Week2 – Day2
- Power BI Service – Week3 – Day1

Power BI Professional (1 Week---5 Class Hours---20 Lab Hours)

- Organization Packs, Security, Group – Week3 – Day2
- Mobile App – Week4 – Day1

Power BI Project (2 Weeks---10 Class Hours---40 Lab Hours)

- Project Overview – Week4 – Day2
- Project ETL – Week5 – Day1
- Project Report – Week5 – Day2
- Project Dashboard – Week6 – Day1

DATA WAREHOUSING ARCHITECT

Duration 8 Weeks

Schedule Self Paced Asynchronous Distance Education Program

COURSE DESCRIPTION

The BI and analytics platform market is in the midst of rapid expansion. Microsoft delivers a competitive and expanding set of BI and analytics capabilities with SQL Server at the core of the solution and demand for skilled SQL BI architects has been growing rapidly.

Upon completing this course, you will be comfortable designing Business Intelligence applications with Microsoft SQL Server 2016 using SSIS, SSRS and SSAS services.

The BI and analytics platform market is in the midst of rapid expansion. Microsoft delivers a competitive and expanding set of BI and analytics capabilities with SQL Server at the core of the solution and demand for skilled SQL BI developers has been growing rapidly.

Upon completing this course, you will be comfortable designing Business Intelligence applications with Microsoft SQL Server 2016 using SSIS, SSRS and SSAS services.

THE GOAL

By completing this bootcamp, you will become proficient in designing and creating Microsoft BI Solutions. Being an architect is all about getting multiple projects under your belt until you understand the process so well, you are able to create it from scratch.

ADMISSION REQUIREMENTS

• Successful completion of public, private, or home schooling at the high school level or obtainment of a recognized high school equivalency credential, recognized by an institution of higher education or a private or independent institution of higher education, as defined by Texas Education Code, §61.003.
• Have developed at least 3 BI Projects including SSIS.
• Knowledge of Data Analytics fundamentals, equal to a minimum 40 hours of formal instruction in data analytics or 3-6 months of employment in a data analytics position or completion of the “Introduction to Data Analytics Seminar.” Completion of the “Introduction to Data Analytics Seminar” is required if the student is new to Data Analytics.

COURSE OUTLINE

Data Warehousing Introduction (2 Weeks---10 Class Hours---40 Lab Hours)

- Introduction to DWH – Week1 – Day1
- Business Challenge and BI Solutions – Week1 – Day2
- Data Warehousing Terminologies – Week2 – Day1
- OLTP and OLAP Systems – Week2 – Day

Data Warehousing Process Flow (2 Weeks---10 Class Hours---40 Lab Hours)

- Staging Database and ODS – Week3 – Day1
- DW Key Concepts – Week3 – Day2
- Data Extract, Transform, Load – Week4 – Day1
- Data Mart (DM) – Week4 – Day2

Data Warehouse Architecture (2 Weeks---10 Class Hours---40 Lab Hours)

- Data Warehouse Architecture Basics and Process – Week5 – Day1 • Fact and Dimensional Modeling – Week5 – Day2
- Project 2: Initial Requirements Gathering – Week6 – Day1
- Project 2: Preparation – Week6 – Day2

Building Data Warehouses (Project) (2 Weeks---10 Class Hours---40 Lab Hours)

- Project 2: Planning – Week7 – Day1
- Project 2: Design – Week7 – Day2
- Project 2: Execution – Week8 – Day1
- Project 2: Implementation and Delivery – Week8 – Day2

DATA SCIENCE I

Duration 8 Weeks

Schedule Class meets 2 days a week

Saturdays 9:00 AM to 12:30 PM CST

Wednesdays 6:30 PM to 9:00 PM CST

COURSE DESCRIPTION

A career in Data Science can be elusive and intimidating. To be successful in a Data Science career path, one must understand and get hands-on experience with the core tenets of mathematics/statistics, computer programming and domain knowledge using Python.

THE GOAL

By completing this bootcamp, you will become proficient in Python and Data Science core concepts.

ADMISSION REQUIREMENTS

• Successful completion of public, private, or home schooling at the high school level or obtainment of a recognized high school equivalency credential, recognized by an institution of higher education or a private or independent institution of higher education, as defined by Texas Education Code, §61.003.
• Exposure to programming.

COURSE OUTLINE

MODULE1 - Python for Data Scientists (4 Weeks---24 Class Hours---48 Lab Hours)

- Introduction to Python,
- Data Structures in python
- Introduction to Jupyter Notebooks
- Dealing with Strings and dates
- Decision statements and loops
- Libraries and Functions
- Computations with Numpy
- Data Analysis with Pandas

- Data Visualization with Matplotlib
- Introduction to Stats Models (Python)
- Introduction to Sklearn

MODULE2 - Data Handling 101 for Data Scientists (4Weeks---24 Class Hours---48 Lab Hours)

- What is Data and Data formats
- Relational Data
- SQL in Python
- Dealing with CSVs, TIFFs and other file formats in Python
- File i/o using Python
- Data imports using APIs
- Web Scraping using Python
- Merging data from various sources
- Data Cleaning

DATA SCIENCE II

Duration 8 Weeks

Schedule Class meets 2 days a week

Saturdays 9:00 AM to 12:30 PM CST

Wednesdays 6:30 PM to 9:00 PM CST

COURSE DESCRIPTION

Data Science is a rapidly evolving field where you can train computers to make sense of data, reveal patterns and help predict the future. You will get to solve interesting and world changing problems, tinker with some of the amazing algorithms and learn machine learning solutions that know how to train on their own. Python has won the wars and is one of the most sought-after skills for a Data Scientist. You will learn and master Data Science with Python. Beginning from data frames to underpinnings of linear algebra to data visualization to Natural Language processing, you will become proficient with applying data science in real-world projects

THE GOAL

By completing this bootcamp, you will become proficient in Python and Data Science core concepts.

ADMISSION REQUIREMENTS

• Successful completion of public, private, or home schooling at the high school level or obtainment of a recognized high school equivalency credential, recognized by an institution of higher education or a private or independent institution of higher education, as defined by Texas Education Code, §61.003.
• Exposure to programming.

COURSE OUTLINE

MODULE1 - The Process of Data Science (1 Week---6 Class Hours---15 Lab Hours)

● What is Data Science?
● Thinking Through Data Science Problems

MODULE2 - Math & Stats for Data Science (3 Weeks---18 Class Hours---45 Lab Hours)

- Introduction to Set Theory
- Introduction to Linear Algebra
- Probability I
- Probability II
- Introduction to Statistics
- Measures of Central Tendency
- Outlier Analysis
- Distributions and Associated Statistics
- Statistics Revisited
- Introduction to Prediction Models

MODULE3 - Regression models in Machine Learning (2 Weeks---12 Class Hours---30 Lab Hours)

- Supervised Models
- Cross Validation and K-fold CV
- Linear Regression I
- Linear Regression II
- Bias variance trade off

MODULE4 - Classification models in Machine Learning (1 ½ Weeks---9 Class Hours---22.5 Lab Hours)

- Classification - Logistic Regression
- Multivariate Logistic Regression
- Naives Bayes Classifier

MODULE5 - Unsupervised Models (½Week---9 Class Hours---22.5 Lab Hours)

- Unsupervised Models
- Dimensionality Reduction - PCA

JOB READINESS PROGRAM – AKA.INTERVIEW PREPARATION BOOTCAMP

Duration 12 Months

Schedule Self Paced Asynchronous Distance Education Program

COURSE DESCRIPTION

Our Job Readiness Program is the best and only such program available in the world to help you jump start your career in BI Industry. Upon enrollment you would work on Inhouse project, mentoring by industry experts, group discussions, certification exam preparation, mock interviews, auto interviews, guidance on resume preparation and mentoring on how to apply for Data Analytics jobs. It is an online asynchronous distance education and there are no classes during the Job Readiness Program. Student's progress is tracked based on completion of Lessons and Lab submissions. There will be mandatory Interview preparation sessions for all Job Readiness Bootcamp students on every Saturday between 10:00 AM to 12:00 PM CST and optional Help sessions between 8:00 PM and 9:30 PM on Monday, Wednesday and Thursday based on where they are in the program.

THE GOAL

By completing this bootcamp, you will complete an in-house project and get exposure on lifecycle of Data Analytics Project.

ADMISSION REQUIREMENTS

• Successful completion of public, private, or home schooling at the high school level or obtainment of a recognized high school equivalency credential, recognized by an institution of higher education or a private or independent institution of higher education, as defined by Texas Education Code, §61.003.

• Knowledge of Data Analytics fundamentals, equal to a minimum 40 hours of formal instruction in data analytics or 3-6 months of employment in a data analytics position or completion of the "Introduction to Data Analytics Seminar." Completion of the "Introduction to Data Analytics Seminar" is required if the student is new to Data Analytics.

COURSE OUTLINE (26 WEEKS)

● IPBC - Orientation – Week1

● IPBC - SDLC – Week2

- IPBC - SDLC - Agile Methodology – Week3
- IPBC - SDLC - Business Analyst – Week4
- IPBC - ETL Process – Week5
- IPBC - SQL Practice – Week6
- IPBC – SSRS Practice – Week7
- IPBC - SQL Transactions – Week8
- IPBC – DBA Roles – Week9
- IPBC - Project Intro – Week10
- IPBC - Project R1:SP1: Story 1 – Week11
- IPBC - Project R1:SP2: Story 2 – Week11
- IPBC - Project R1:SP2: Story 3 – Week12
- IPBC - Project R1:SP3: Story 4 – Week13
- IPBC - Project R1:SP3: Story 5 – Week14
- IPBC - Project R1:SP4: Story 6 – Week15
- IPBC - Project R2:SP5: Story 7 – Week16
- IPBC - Project R2:SP5: Story 8 – Week17
- IPBC - Project R2:SP6: Story 9 – Week18
- IPBC - Project R2:SP6: Story 10 – Week19
- IPBC - Building a Cube – Week20
- Job Readiness Program Prep – Week21
- Job Readiness Program - Phase I – Week22
- Job Readiness Program - Phase II – Week23
- Job Readiness Program - Phase III – Week24
- Job Readiness Program - Phase IV – Week25
- Job Readiness Program - Final Phase – Week26

GRADING SYSTEM

Students will receive a certificate of program completion from Colaberry Inc after successful completion of all the sections in the coursework and meeting all financial obligations.

The following Letter Grades are Awarded based on Student's course completion status in the CRM:

Letter Grade	Description
P	Coursework Completed 100%
F	Failed – Student has not completed the course work even after the 30 days grace period.
I	Incomplete Coursework < 100% An incomplete grade is provided if a faculty member gives an extension to a particular student to complete the coursework. An extension can be granted for a maximum of 30 days from the last day of class. If a student is not able to complete the coursework within the grace period, then the student will be given a Failed (F) grade. A student who paid full tuition may request a grade of Incomplete if the student withdraws for an appropriate reason unrelated to the student's academic status. The student may re-enroll in the program during the 12 month period following the date the student withdraws and complete those incomplete sections without paying any additional tuition for that portion of the course or program.

Attendance

The faculty and staff of Colaberry Inc consider each moment in class imperative for success. When the student is not in the classroom, the information missed cannot be recaptured. Students who are excessively absent (25% or more of classroom hours) will be placed on probation without notice. If the student's attendance does not improve, the student will be dropped from the program. Students will not be readmitted without approval of the primary instructor and Director. Makeup classes may be required at the discretion of the instructor and with approval of the Director.

Attendance Probation

At least once a week, the Director monitors the student attendance of all active students and calls those students that have missed one or two days during that week.

1. Perfect attendance is desired from each student; but 75% attendance average is mandatory.
2. A student must attend a minimum of 75% of the scheduled course. If a student does not attend at least 75%, the student will be dropped, and is subject to the Refund Policy.
3. Tardiness – every student is responsible for obtaining missed information due to tardiness. A student will be expelled after missing 25% of the scheduled clock hours due to tardiness and

subject to the refund policy. If a student fails a subject due to tardiness that student is subject to the refund or repeat subject policies.
4. If expelled for unsatisfactory attendance or tardiness you may not re enroll before the start of the next grading period.
5. No makeup work will be granted, only tutoring.
6. If a student is dismissed due to tardiness or not attending a minimum of 75% of the scheduled course and wants to re-enroll the student must:
● Write a letter requesting re-enrollment and
● Must speak to the Director to get approval for re-enrollment.

ADMISSIONS DENIALS

Colaberry reserves the right to deny admission or readmission to any applicant or student who is disruptive to the educational environment. If an applicant or student violates Colaberry's code of conduct, including but not limited to engaging in threatening, abusive, or dangerous behavior towards any staff member, student, or other member of the Colaberry community, such applicant or student may be prohibited from enrollment in another course and may be subject to other discipline. Any applicant or student found to have falsified information on an admissions document or to have given false information relating to admissions to Colaberry will be denied admission or expelled if already in attendance. In the event a student is denied admission or expelled due to violation of code of conduct, Colaberry will notify the student in writing of the prohibited act and the penalty.

SCHOLARSHIP DISCLAIMER

If and when scholarships are awarded, Colaberry Inc reserves the right, at its sole discretion (and for any reason, and at any time), to refuse, change, modify, add requirements, or terminate any portion of any scholarships offered. Final scholarship approvals, when available, are based on the submission of all supporting documentation within two business days of application submission and strict adherence to the Colaberry Code of Conduct - no exceptions. All approvals have to meet Texas Workforce Commission admissions requirements and candidates must pass the Colaberry scholarship qualification questionnaire. When offered, scholarships are non-transferable, and not to be cashed, exchanged, credited, combined with any other scholarship, promotion, offer or program.

Cancellation and Refund Policy for Asynchronous Distance Education Courses

CANCELLATION POLICY

A full refund will be made to any student who cancels the enrollment contract within 72 hours (until midnight of the third day excluding Saturdays, Sundays and legal holidays) after the enrollment contact is signed.

REFUND POLICY

1. Refund computations will be based on the number of lessons in the program

2. The effective date of termination for refund purposes will be the earliest of the following:

(a) the date of notification to the student if the student is terminated;

(b) the date of receipt of written notice from the student; or

(c) the end of the third calendar month following the month in which the student's last lesson assignment was received unless notification has been received from the student that he wishes to remain enrolled

3. If tuition and fees are collected before any lessons have been completed, and if, after expiration of the 72-hour cancellation privilege, the student fails to begin the program, not more than $50 shall be retained by the school.

4. If the student who enters an asynchronous distance education course terminates or withdraws after the expiration of the 72-hour cancellation privilege, the school may retain $50 of the tuition and fees and the minimum refund policy must provide that the student will be refunded the pro rata portion of the remaining tuition, fees, and other charges that the number of lessons completed and serviced by the school or college bears to the total number of lessons in the program.

5. A full refund of all tuition and fees is due in each of the following cases:

(a) an enrollee is not accepted by the school

(b) if the program of instruction is discontinued by the school and this prevents the student from completing the program; or

(c) if the student's enrollment was procured as a result of any misrepresentation in advertising, promotional materials of the school, or misrepresentations by the owner or representatives of

the school.

REFUND POLICY FOR STUDENTS CALLED TO ACTIVE MILITARY SERVICE

6. A student of the school or college who withdraws from the school or college as a result of the student being called to active duty in a military service of the United States or the Texas National Guard may elect one of the following options for each program in which the student is enrolled:

(a) if tuition and fees are collected in advance of the withdrawal, a pro rata refund of any tuition, fees, or other charges paid by the student for the program and a cancellation of any unpaid tuition, fees, or other charges owed by the student for the portion of the program the student does not complete following withdrawal;

(b) a grade of incomplete with the designation "withdrawn-military" for the courses in the program, other than courses for which the student has previously received a grade on the student's transcript, and the right to re-enroll in the program, or a substantially equivalent program if that program is no longer available, not later than the first anniversary of the date the student is discharged from active military duty without payment of additional tuition, fees, or other charges for the program other than any previously unpaid balance of the original tuition, fees, and charges for books for the program; or

(c) the assignment of an appropriate final grade or credit for the courses in the program, but only if the instructor or instructors of the program determine that the student has:

(A)satisfactorily completed at least 90 percent of the required coursework for the program; and

(B) demonstrated sufficient mastery of the program material to receive credit for completing the program.

7. Refunds will be totally consummated within 60 days after the effective date of termination.

HOLIDAYS AND CLASS SCHEDULES (2023)

Holidays 2023

January 2	New Year's Day Holiday
May 29	Memorial Day
July 4	Independence Day
Sept 4	Labor Day
Nov 23	Thanksgiving Day
Dec 25	Christmas

Class schedule 2023

Enrollment Periods	Class Start Date	Class End Date
August 14 - August 25, 2023	August 26 2023	November 18 2023
August 27 - September 29, 2023	September 30 2023	Dec 16, 2023
October 01 - October 27, 2023	October 28 2023	January 27 2024
October 29 - December 01, 2023	December 2 2023	March 27 2024