WORKFORCE INNOVATIONS FOR A NEW NEVADA
WORKFORCE DEVELOPMENT PROGRAM SUMMARY

Agency	Truckee Meadows Community College
Program Name *(Complete a summary for each program)*	Data Analytics Online Training
Contact *Include Name, Phone and Email*	Heather Maye 775-857-4997 hmaye@tmcc.edu
Program Description *Briefly describe training program components. Highlight length of program and access or mobility features that would be of interest to an employer.*	Certificate includes 2 courses that are accessed online with a desktop computer and are self-paced, with each expected to take approximately 60 hours to complete. Each course is in English and includes videos, interactive practices, and quizzes. **DA 120: INTRODUCTION TO ANALYTICS AND ANALYTICAL PROGRAMMING** This course introduces students to the fundamentals of the analytical process and the role of the analyst, applied descriptive statistics, and exploratory data analysis. The course introduces students to the basics of the Python programming language, and uses the Pandas, Statsmodels, and Scipy libraries to explain basic concepts and applications of analytics. Topics include utilization of Python for data management, data visualization, and exploratory data analysis. Upon completion, students should be able to demonstrate a basic understanding of analytics for decision-making in business and to use Python and its libraries to conduct descriptive analytics. **DA 121: DATA VISUALIZATION** This course introduces students to the basics of the Python programming language, using the open-source libraries Numpy, Seaborn, and Matplotlib to explain key concepts in data visualization and reporting. Topics include concepts and methods used in graphical representation of data, exploration and reporting of data, and basic linear regression methods. Upon completion, students should be able to effectively use graphical tools to communicate insights about data.
Outcomes *Please identify specific industry-recongnized credentials and/or degrees that result from program completion.*	Students will receive a certificate of completion from TMCC when DA 120 and 121 are completed.
Accepting New Partners & Students	Yes