

DATA SCIENCE MATH SKILLS BY DUKE UNIVERSITY COMPLETED FOR CESAR LUIS MEZA OROZCO // cesarluismeza@gmail.com

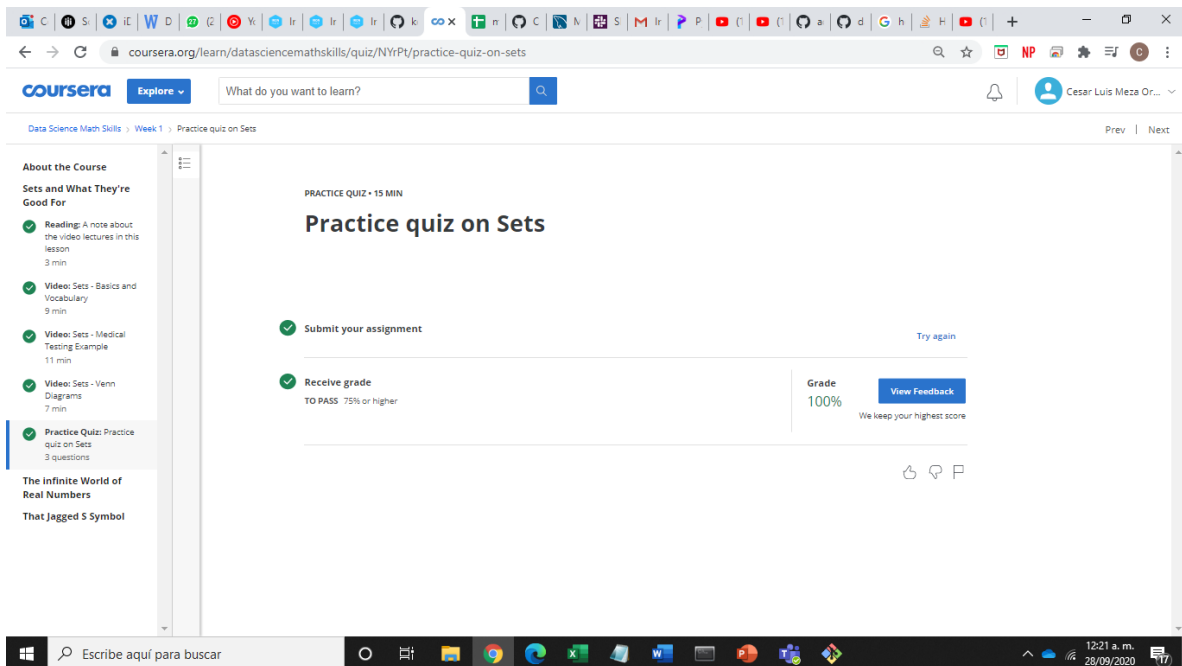
The screenshot shows the Coursera website interface. At the top, the Coursera logo and a search bar are visible. The user's profile name, 'Cesar Luis Meza Orozco', is in the top right corner. The main heading is 'Data Science Math Skills' by Duke University. A large central box displays a 'Congratulations!' message with a medal icon, stating 'You've successfully completed Data Science Math Skills!' and a 'Rate Course' link. Below this, an 'Instructor's Note' from two instructors welcomes the user and mentions that they are joining thousands of learners. A left sidebar contains a navigation menu with 'Overview' selected, and sub-items for 'Week 1' through 'Week 4', 'Grades', 'Notes', 'Discussion Forums', 'Messages', 'Resources', and 'Course Info'. The Windows taskbar at the bottom shows the search bar and various application icons, with the system clock indicating 12:20 a.m. on 28/09/2020.

WEEK 1

PRACTICE QUIZ ON SETS

The screenshot shows the Coursera interface for a practice quiz. The breadcrumb trail at the top reads 'Data Science Math Skills > Week 1 > Practice quiz on Sets'. The left sidebar, titled 'About the Course', lists several items with green checkmarks: 'Sets and What They're Good For', 'Reading: A note about the video lectures in this lesson (3 min)', 'Video: Sets - Basics and Vocabulary (9 min)', 'Video: Sets - Medical Testing Example (11 min)', 'Video: Sets - Venn Diagrams (7 min)', and 'Practice Quiz: Practice quiz on Sets (3 questions)'. Below these are 'The Infinite World of Real Numbers' and 'That Jagged S Symbol'. The main content area is titled 'PRACTICE QUIZ • 15 MIN' and 'Practice quiz on Sets'. It shows a 'Submit your assignment' button with a green checkmark, a 'Try again' link, and a 'Receive grade' section indicating a grade of 100% (75% or higher) with a 'View Feedback' button. The footer of the main content area includes icons for sharing, commenting, and reporting. The Windows taskbar at the bottom shows the search bar and application icons, with the system clock indicating 12:21 a.m. on 28/09/2020.

PRACTICE QUIZ ON THE NUMBER LINE, INCLUDING INEQUALITIES



The screenshot shows a web browser window displaying a Coursera practice quiz titled "Practice quiz on Sets". The browser's address bar shows the URL: coursera.org/learn/datasciencemathskills/quiz/NYrPt/practice-quiz-on-sets. The Coursera logo and a search bar are at the top. The page header indicates the course is "Data Science Math Skills" and the current section is "Week 1" > "Practice quiz on Sets".

On the left, a sidebar titled "About the Course" lists several items, with the current quiz highlighted:

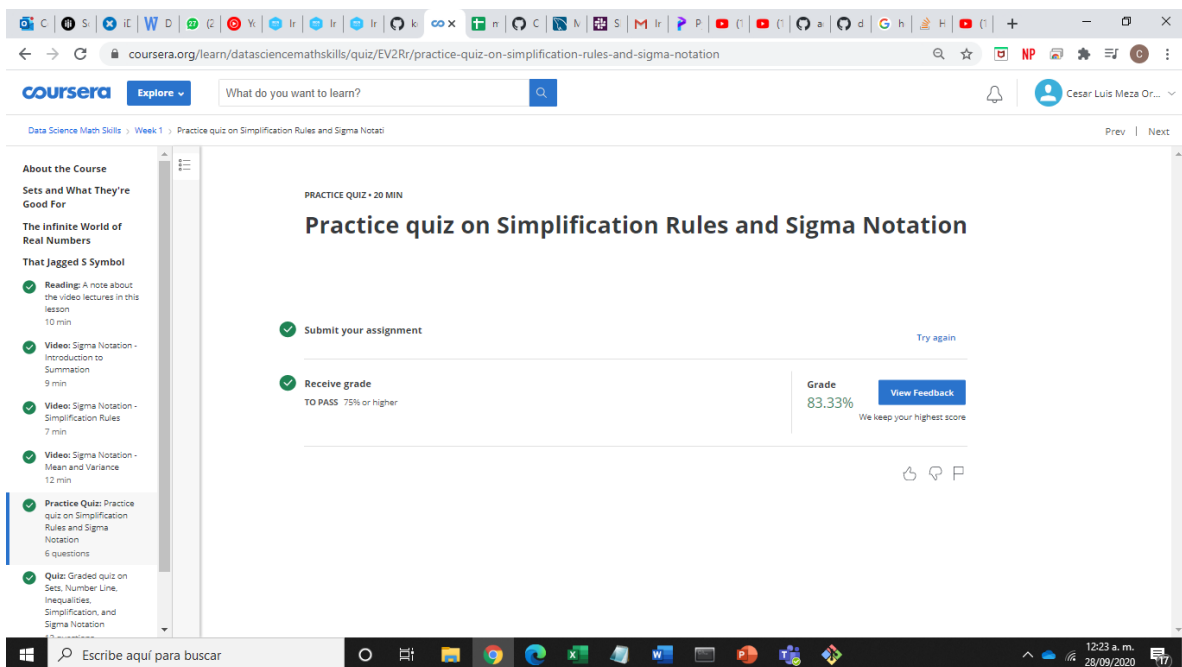
- Reading: A note about the video lectures in this lesson (3 min)
- Video: Sets - Basics and Vocabulary (9 min)
- Video: Sets - Medical Testing Example (11 min)
- Video: Sets - Venn Diagrams (7 min)
- Practice Quiz: Practice quiz on Sets (3 questions)**
- The Infinite World of Real Numbers
- That Jagged S Symbol

The main content area shows the quiz details:

- PRACTICE QUIZ • 15 MIN**
- Practice quiz on Sets**
- Submit your assignment** (with a green checkmark icon)
- Receive grade** (with a green checkmark icon): TO PASS: 75% or higher
- Grade**: 100% (with a blue "View Feedback" button)
- Text: "We keep your highest score"
- Buttons: "Try again", "Share", "Comment", "Flag"

The Windows taskbar at the bottom shows the search bar with the text "Escribe aquí para buscar" and various application icons. The system clock indicates 12:21 a.m. on 28/09/2020.

PRACTICE QUIZ ON SIMPLIFICATION RULES AND SIGMA NOTATION



The screenshot shows a web browser window displaying a Coursera practice quiz titled "Practice quiz on Simplification Rules and Sigma Notation". The browser's address bar shows the URL: coursera.org/learn/datasciencemathskills/quiz/EV2Rr/practice-quiz-on-simplification-rules-and-sigma-notation. The Coursera logo and a search bar are at the top. The page header indicates the course is "Data Science Math Skills" and the current section is "Week 1" > "Practice quiz on Simplification Rules and Sigma Notation".

On the left, a sidebar titled "About the Course" lists several items, with the current quiz highlighted:

- Reading: A note about the video lectures in this lesson (10 min)
- Video: Sigma Notation - Introduction to Summation (9 min)
- Video: Sigma Notation - Simplification Rules (7 min)
- Video: Sigma Notation - Mean and Variance (12 min)
- Practice Quiz: Practice quiz on Simplification Rules and Sigma Notation (6 questions)**
- Quiz: Graded quiz on Sets, Number Line, Inequalities, Simplification, and Sigma Notation

The main content area shows the quiz details:

- PRACTICE QUIZ • 20 MIN**
- Practice quiz on Simplification Rules and Sigma Notation**
- Submit your assignment** (with a green checkmark icon)
- Receive grade** (with a green checkmark icon): TO PASS: 75% or higher
- Grade**: 83.33% (with a blue "View Feedback" button)
- Text: "We keep your highest score"
- Buttons: "Try again", "Share", "Comment", "Flag"

The Windows taskbar at the bottom shows the search bar with the text "Escribe aquí para buscar" and various application icons. The system clock indicates 12:23 a.m. on 28/09/2020.

GRADED QUIZ ON SETS, NUMBER LINE, INEQUALITIES, SIMPLIFICATION, AND SIGMA NOTATION.

The screenshot shows a web browser window displaying a Coursera quiz page. The URL is coursera.org/learn/datasciencemathskills/exam/815as/graded-quiz-on-sets-number-line-inequalities-simplification-and-sigma-notation. The page header includes the Coursera logo, a search bar, and a user profile for 'Cesar Luis Meza Or...'. The main content area is titled 'Graded quiz on Sets, Number Line, Inequalities, Simplification, and Sigma Notation' and indicates a duration of 35 minutes. It shows a 'Submit your assignment' button, a 'Try again' link, and a 'Receive grade' section with a grade of 84.61% and a 'View Feedback' button. The left sidebar lists course topics: 'About the Course', 'Sets and What They're Good For', 'The Infinite World of Real Numbers', 'That Jagged S Symbol', 'Reading: A note about the video lectures in this lesson', 'Video: Sigma Notation - Introduction to Summation', 'Video: Sigma Notation - Simplification Rules', 'Video: Sigma Notation - Mean and Variance', 'Practice Quiz: Practice quiz on Simplification Rules and Sigma Notation', and 'Quiz: Graded quiz on Sets, Number Line, Inequalities, Simplification, and Sigma Notation'. The Windows taskbar at the bottom shows the time as 12:23 a.m. on 28/09/2020.

WEEK 2

PRACTICE QUIZON THE CARTESIAN PLANE

The screenshot shows a web browser window displaying a Coursera practice quiz page. The URL is coursera.org/learn/datasciencemathskills/quiz/Jo3WK/practice-quiz-on-the-cartesian-plane. The page header includes the Coursera logo, a search bar, and a user profile for 'Cesar Luis Meza Or...'. The main content area is titled 'Practice quiz on the Cartesian Plane' and indicates a duration of 15 minutes. It shows a 'Submit your assignment' button, a 'Try again' link, and a 'Receive grade' section with a grade of 80% and a 'View Feedback' button. The left sidebar lists course topics: 'Descartes Was Really Smart', 'Reading: A note about the video lectures in this lesson', 'Video: Cartesian Plane - Plotting Points', 'Video: Cartesian Plane - Distance Formula', 'Video: Cartesian Plane - Point-Slope Formula for Lines', 'Video: Cartesian Plane: Slope-Intercept Formula for Lines', 'Practice Quiz: Practice quiz on the Cartesian Plane', and 'Input-Output Machines'. The Windows taskbar at the bottom shows the time as 12:24 a.m. on 28/09/2020.

PRACTICE QUIZ ON TYPES OF FUNCTIONS

The screenshot shows the Coursera website interface. The browser address bar displays the URL: coursera.org/learn/datasciencemathskills/quiz/P4OyZ/practice-quiz-on-types-of-functions. The Coursera logo and a search bar are at the top. The user's name, Cesar Luis Meza Or..., is visible in the top right corner. The page title is "Practice quiz on Types of Functions". The sidebar on the left lists the course content, including "Descartes Was Really Smart", "Input-Output Machines", and various video lectures. The main content area shows the quiz title "Practice quiz on Types of Functions" and the duration "PRACTICE QUIZ • 20 MIN". Below the title, there are two green checkmarks indicating successful actions: "Submit your assignment" and "Receive grade". The grade is displayed as 83.33%, with a "View Feedback" button. The bottom of the screen shows the Windows taskbar with the search bar and several application icons.

GRADED QUIZ ON CARTESIAN PLANE AND TYPES OF FUNCTION

The screenshot shows the Coursera website interface. The browser address bar displays the URL: coursera.org/learn/datasciencemathskills/exam/W82na/graded-quiz-on-cartesian-plane-and-types-of-function. The Coursera logo and a search bar are at the top. The user's name, Cesar Luis Meza Or..., is visible in the top right corner. The page title is "Graded quiz on Cartesian Plane and Types of Function". The sidebar on the left lists the course content, including "Descartes Was Really Smart", "Input-Output Machines", and various video lectures. The main content area shows the quiz title "Graded quiz on Cartesian Plane and Types of Function" and the duration "QUIZ • 40 MIN". Below the title, there are two green checkmarks indicating successful actions: "Submit your assignment" and "Receive grade". The grade is displayed as 84.61%, with a "View Feedback" button. The bottom of the screen shows the Windows taskbar with the search bar and several application icons.

WEEK 3

PRACTICE QUIZ ON TANGENT LINES TO FUNCTIONS

The screenshot shows a web browser window displaying a Coursera practice quiz. The URL is coursera.org/learn/datasciencemathskills/quiz/dhCg7/practice-quiz-on-tangent-lines-to-functions. The page title is "Practice quiz onTangent Lines to Functions". On the left sidebar, under "This is about that derivative stuff", there is a list of items: "Reading: A note about the video lectures in this lesson" (10 min), "Video: Tangent Lines - Slope of a Graph at a Point" (10 min), "Video: Tangent Lines - The Derivative Function" (9 min), and "Practice Quiz: Practice quiz onTangent Lines to Functions" (2 questions). The main content area shows "PRACTICE QUIZ • 10 MIN" and "Practice quiz onTangent Lines to Functions". Below this, there are two green checkmarks indicating completion: "Submit your assignment" and "Receive grade". The grade is shown as "100%" with a "View Feedback" button. A "Try again" link is also present. The bottom of the screen shows a Windows taskbar with the search bar and various application icons.

PRACTICE QUIZ ON EXPONENTS AND LOGARITHMS

The screenshot shows a web browser window displaying a Coursera practice quiz. The URL is coursera.org/learn/datasciencemathskills/quiz/E2uwH/practice-quiz-on-exponents-and-logarithms. The page title is "Practice quiz on Exponents and Logarithms". On the left sidebar, under "This is about that derivative stuff", there is a list of items: "Reading: A note about the video lectures in this lesson" (3 min), "Video: Using Integer Exponents" (7 min), "Video: Simplification Rules for Algebra using Exponents" (11 min), "Video: How Logarithms and Exponents are Related" (12 min), "Video: The Change of Base Formula" (4 min), "Video: The Rate of Growth of Continuous Processes" (11 min), and "Practice Quiz: Practice quiz on Exponents and Logarithms" (12 questions). The main content area shows "PRACTICE QUIZ • 40 MIN" and "Practice quiz on Exponents and Logarithms". Below this, there are two green checkmarks indicating completion: "Submit your assignment" and "Receive grade". The grade is shown as "83.33%" with a "View Feedback" button. A "Try again" link is also present. The bottom of the screen shows a Windows taskbar with the search bar and various application icons.

GRADED QUIZ ON TANGENT LINES TO FUNCTIONS EXPONENTS AND LOGARITHMS

The screenshot shows a web browser window displaying a Coursera quiz page. The browser's address bar shows the URL: coursera.org/learn/datasciencemathskills/exam/my4gU/graded-quiz-on-tangent-lines-to-functions-exponents-and-logarithms. The Coursera logo and a search bar are at the top. The page title is "Graded quiz on Tangent Lines to Functions, Exponents and Logarithms". On the left, a sidebar lists course content: "This is about that derivative stuff", "Fast Growth, Slow Growth", and a list of videos and a practice quiz. The main content area shows the quiz details: "QUIZ • 45 MIN", "Submit your assignment" (with a "Try again" link), "DUE DATE Oct 12, 1:59 AM CDT", "ATTEMPTS 3 every 8 hours", "Receive grade" (with "TO PASS 75% or higher"), and a "Grade" of 84.61% with a "View Feedback" button. The Windows taskbar at the bottom shows the time as 12:28 a.m. on 28/09/2020.

PRACTICE QUIZ ON PROBABILITY CONCEPTS

The screenshot shows a web browser window displaying a Coursera practice quiz page. The browser's address bar shows the URL: coursera.org/learn/datasciencemathskills/quiz/G86Si/practice-quiz-on-probability-concepts. The Coursera logo and a search bar are at the top. The page title is "Practice quiz on Probability Concepts". On the left, a sidebar lists course content: "Video: Joint Probabilities", "Practice Quiz: Practice quiz on Probability Concepts", "Problem Solving Methods", "Applying Bayes Theorem and the Binomial Theorem", and a list of videos and a practice quiz. The main content area shows the quiz details: "PRACTICE QUIZ • 25 MIN", "Submit your assignment" (with a "Try again" link), "Receive grade" (with "TO PASS 75% or higher"), and a "Grade" of 77.77% with a "View Feedback" button. The Windows taskbar at the bottom shows the time as 12:18 a.m. on 28/09/2020.

PRACTICE QUIZ ON PROBLEM SOLVING

course.org/learn/datasciencemathskills/quiz/c46Yz/practice-quiz-on-problem-solving

What do you want to learn?

Practice Quiz on Problem Solving

Practice Quiz • 25 MIN

Practice quiz on Problem Solving

Submit your assignment

Receive grade

Grade: 100%

TO PASS: 75% or higher

View Feedback

We keep your highest score

Try again

Share

Basic Probability Definitions

Problem Solving Methods

Applying Bayes Theorem and the Binomial Theorem

Reading: A note about the video lectures in this lesson 3 min

Video: Permutations and Combinations 12 min

Video: Using Factorial and "M choose N" 6 min

Video: The Sum Rule, Conditional Probability, and the Product Rule 8 min

Practice Quiz: Practice quiz on Problem Solving 9 questions

Reading: A note about the video lectures in this lesson 3 min

Video: Bayes' Theorem (Part 1)

PRACTICE QUIZ ON BAYES THEOREM AND THE BINOMIAL THEOREM

course.org/learn/datasciencemathskills/quiz/qJoz4/practice-quiz-on-bayes-theorem-and-the-binomial-theorem

What do you want to learn?

Practice Quiz on Bayes Theorem and the Binomial The

Practice Quiz • 25 MIN

Practice quiz on Bayes Theorem and the Binomial Theorem

Submit your assignment

Receive grade

Grade: 88.88%

TO PASS: 75% or higher

View Feedback

We keep your highest score

Try again

Share

Basic Probability Definitions

Problem Solving Methods

Applying Bayes Theorem and the Binomial Theorem

Reading: A note about the video lectures in this lesson 3 min

Video: Bayes' Theorem (Part 1) 10 min

Video: Bayes' Theorem (Part 2) 5 min

Video: The Binomial Theorem and Bayes Theorem 8 min

Practice Quiz: Practice quiz on Bayes Theorem and the Binomial Theorem 9 questions

Quiz: Probability (basic and intermediate) Graded Quiz 13 questions

PROBABILITY (BASIC AND INTERMEDIATE) GRADED QUIZ

course.org/learn/datasciencemathskills/exam/6Ap88/probability-basic-and-intermediate-graded-quiz

What do you want to learn?

Course Luis Meza Or...

Prev | Next

Problem Solving Methods

Applying Bayes Theorem and the Binomial Theorem

- ✓ Reading: A note about the video lectures in this lesson 3 min
- ✓ Video: Bayes' Theorem (Part 1) 10 min
- ✓ Video: Bayes' Theorem (Part 2) 5 min
- ✓ Video: The Binomial Theorem and Bayes Theorem 8 min
- ✓ Practice Quiz: Practice quiz on Bayes Theorem and the Binomial Theorem 9 questions
- ✓ Quiz: Probability (basic and intermediate) Graded Quiz 12 questions
- ✓ Reading: Feedback 10 min

QUIZ • 50 MIN

Probability (basic and Intermediate) Graded Quiz

✓ **Submit your assignment**

DUE DATE Oct 19, 1:59 AM CDT ATTEMPTS 3 every 8 hours [Try again](#)

✓ **Receive grade**

TO PASS 80% or higher

Grade 83.33% [View Feedback](#)

We keep your highest score

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https://www.coursera.org/learn/datasciencemathskills/exam/6Ap88/probability-basic-and-intermediate-graded-quiz

Escribe aquí para buscar

12:30 a. m. 28/09/2020