

CURSO DE DATA SCIENCE MATH SKILLS DUKE UNIVERSITY - COURSERA

MODULO 1: SETS AND WHAT THEY'RE GOOD FOR

The screenshot shows the Coursera website interface. At the top, there's a navigation bar with the Coursera logo, a search bar, and a user profile icon for 'Carolina'. Below the navigation bar, the breadcrumb trail reads 'Data Science Math Skills > Semana 1 > Practice quiz on Sets'. The main content area is titled 'CUESTIONARIO PRÁCTICO • 15 MIN' and 'Practice quiz on Sets'. On the left, there's a sidebar with a list of course items: 'Lectura: 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 'Cuestionario práctico: Practice quiz on Sets' (3 preguntas). The main content area shows a progress bar and a list of steps: 'Envía tu tarea', 'Recibe la calificación' (with a subtext 'PARA APROBAR: 75 % o más'), and 'Calificación' (100 %). A 'Ver comentarios' button is visible next to the score. At the bottom, there's a footer with the text 'The Infinite World of Real Numbers'.

MODULO 2: THE INFINITE WORLD OF REAL NUMBERS

The screenshot shows a web browser displaying a Coursera practice quiz. The browser's address bar shows the URL: <https://coursera.org/learn/data-science-math-skills/quiz/q1267/practice-quiz-on-the-number-line-including-inequalities>. The Coursera logo is in the top left, followed by a blue 'Explorar' button and a search bar containing '¿Qué deseas aprender?'. On the right, there is a shopping cart icon, a notification bell, and a user profile icon for 'Carolina'. Below the navigation bar, the breadcrumb trail reads 'Data Science Math Skills > Semana 1 > Practice quiz on the Number Line, including inequalities'. To the right of the breadcrumb are links for 'Anterior' and 'Siguiete'. The main content area has a dark background. On the left, a sidebar titled 'The Infinite World of Real Numbers' lists several items with green checkmarks: 'Lectura: A note about the video lectures in this lesson' (10 min), 'Video: Numbers - The Real Number Line' (9 min), 'Video: Numbers - Less-than and Greater-than' (6 min), 'Video: Numbers - Algebra With Inequalities' (10 min), 'Video: Numbers - Intervals and Interval Notation' (7 min), and 'Cuestionario práctico: Practice quiz on the Number Line, including Inequalities'. The main area features the title 'CUESTIONARIO PRÁCTICO • 25 MIN' and 'Practice quiz on the Number Line, including Inequalities'. Below the title, there are two green checkmarks: 'Envía tu tarea' with a 'Probar de nuevo' link, and 'Recibe la calificación' with the text 'PARA APROBAR 75 % o más'. To the right, a box displays 'Calificación 100 %' and a 'Ver comentarios' button, with the text 'Conservaremos tu puntaje más alto.' below it. The Windows taskbar is visible at the bottom, showing various application icons and the system clock at 09:28 p.m. on 06/01/2021.

The Infinite World of Real Numbers

- ✓ **Lectura:** A note about the video lectures in this lesson
10 min
- ✓ **Video:** Numbers - The Real Number Line
9 min
- ✓ **Video:** Numbers - Less-than and Greater-than
6 min
- ✓ **Video:** Numbers - Algebra With Inequalities
10 min
- ✓ **Video:** Numbers - Intervals and Interval Notation
7 min
- ✓ **Cuestionario práctico:** Practice quiz on the Number Line, including Inequalities

CUESTIONARIO PRÁCTICO • 25 MIN

Practice quiz on the Number Line, including Inequalities

✓ **Envía tu tarea** [Probar de nuevo](#)

✓ **Recibe la calificación**
PARA APROBAR 75 % o más

Calificación
100 %
Conservaremos tu puntaje más alto.

[Ver comentarios](#)

MODULO 3: PRACTICE QUIZ ON SIMPLIFICATION RULES AND SIGMA NOTATION

The screenshot shows a web browser displaying a Coursera course page. The browser's address bar shows the URL: <https://coursera.org/learn/data-science-math-skills/quiz/2019-01-20/practice-quiz-on-simplification-rules-and-sigma-notation>. The Coursera logo is in the top left, followed by a blue 'Explorar' button and a search bar containing '¿Qué deseas aprender?'. The user's name 'Carolina' is in the top right. The page title is 'Data Science Math Skills > Semana 1 > Practice quiz on Simplification Rules and Sigma Notation'. A sidebar on the left lists the course content: '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', 'Cuestionario práctico: Practice quiz on Simplification Rules and Sigma Notation 6 preguntas' (highlighted in blue), and 'Cuestionario: Graded quiz on Sets, Number Line, Inequalities, Simplification, and Sigma Notation 13 preguntas'. The main content area has a dark background and features the title 'CUESTIONARIO PRÁCTICO • 20 MIN' and 'Practice quiz on Simplification Rules and Sigma Notation'. It shows a progress bar and three status items: 'Envía tu tarea' with a 'Probar de nuevo' button, 'Recibe la calificación' with 'PARA APROBAR 75 % o más', and 'Calificación 100 %' with a 'Ver comentarios' button and the text 'Conservaremos tu puntaje más alto.' The bottom of the page shows a Windows taskbar with various application icons and a system clock indicating 10:29 p.m. on 06/01/2021.

Practice quiz on Simplification Rules and Sigma Notation

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
- Cuestionario práctico: Practice quiz on Simplification Rules and Sigma Notation 6 preguntas**
- Cuestionario: Graded quiz on Sets, Number Line, Inequalities, Simplification, and Sigma Notation 13 preguntas

CUESTIONARIO PRÁCTICO • 20 MIN

Practice quiz on Simplification Rules and Sigma Notation

Envía tu tarea [Probar de nuevo](#)

Recibe la calificación **PARA APROBAR 75 % o más**

Calificación **100 %** [Ver comentarios](#)
Conservaremos tu puntaje más alto.

Graded quiz on Sets, Number Line, Inequalities, Simplification and Sigma Notation

coursera Explorar ¿Qué deseas aprender?

Data Science Math Skills > Semana 1 > Graded quiz on Sets, Number Line, Inequalities, Simplification and Sigma Notation

Anterior Siguiente

That Jagged S Symbol

- ✓ **Lectura:** 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
- ✓ **Cuestionario práctico:** Practice quiz on Simplification Rules and Sigma Notation 6 preguntas
- ✓ **Cuestionario:** Graded quiz on Sets, Number Line, Inequalities, Simplification, and Sigma Notation

Sigma Notation

✓ **Envía tu tarea**

FECHA DE ENTREGA 3 de ene. 23:59 PST INTENTOS 3 cada 8 horas

✓ **Recibe la calificación**

PARA APROBAR 75 % o más

Calificación

76,92 %

Ver comentarios

Conservaremos tu puntaje más alto.

Probar de nuevo

objetivo Es 62% más probable que completes el curso si finalizas la tarea

09:30 p.m. 10/01/2021

MODULO 4: CARTESIAN PLANE

The screenshot shows the Coursera website interface. At the top, there's a navigation bar with the Coursera logo, a search bar, and user information for 'Carolina'. Below the navigation bar, the breadcrumb trail reads: 'Data Science Math Skills > Semana 2 > Practice quiz on the Cartesian Plane'. The main content area is titled 'CUESTIONARIO PRÁCTICO • 15 MIN' and 'Practice quiz on the Cartesian Plane'. On the left, a sidebar lists the course content with green checkmarks indicating completion: 'Lectura: A note about the video lectures in this lesson (3 min)', 'Video: Cartesian Plane - Plotting Points (7 min)', 'Video: Cartesian Plane - Distance Formula (10 min)', 'Video: Cartesian Plane - Point-Slope Formula for Lines (8 min)', 'Video: Cartesian Plane: Slope-Intercept Formula for Lines (7 min)', and 'Cuestionario práctico: Practice quiz on the Cartesian Plane'. The main area shows the quiz results: 'Envía tu tarea' (Submitted), 'Recibe la calificación' (Receive the grade), and 'PARA APROBAR: 75 % o más' (To pass: 75% or more). The score is 'Calificación 100 %' (Grade 100%) with a link to 'Ver comentarios' (View comments). A 'Reanudar' (Resume) button is also visible. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 8:21 p.m. on 8/10/2021.

MODULO 5: TYPES OF FUNCTIONS

Graded quiz on Cartesian Plane

Explorar

¿Qué deseas aprender?

Carolina

Data Science Math Skills > Semana 2 > Graded quiz on Cartesian Plane and Types of Function

Anterior Siguiente

7 min

- Video: Functions - Graphing in the Cartesian Plane 11 min
- Video: Functions - Increasing and Decreasing Functions 10 min
- Video: Functions - Composition and Inverse 10 min
- Questionario práctico: Practice quiz on Types of Functions 6 preguntas
- Questionario: Graded quiz on Cartesian Plane and Types of Function 13 preguntas**
- Lectura: Feedback 10 min

CUESTIONARIO • 40 MIN

Graded quiz on Cartesian Plane and Types of Function

Acércate a tu objetivo
Es 20% más probable que completes el curso si finalizas la tarea

Envía tu tarea

FECHA DE ENTREGA 10 de ene. 23:59 PST INTENTOS 3 cada 8 horas

Probar de nuevo

Recibe la calificación

PARA APROBAR 75 % o más

Calificación
84,61 %

Ver comentarios

Conservaremos tu puntaje más alto.

MODULO 6: TANGENT LINES TO FUNCTIONS

The screenshot shows a web browser window displaying a Coursera practice quiz. The browser's address bar shows the URL: <https://www.coursera.org/learn/data-science-math-skills/quiz/8HCP7jy/quiz-on-tangent-lines-to-functions>. The Coursera logo is in the top left, and a search bar with the placeholder text "¿Qué deseas aprender?" is next to it. The user's name, "Carolina", is in the top right. Below the navigation bar, the breadcrumb trail reads "Data Science Math Skills > Semana 3 > Practice quiz onTangent Lines to Functions". On the left side, there is a sidebar with a list of items: "This is about that derivative stuff", "Lectura: 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 the selected item, "Cuestionario práctico: Practice quiz onTangent Lines to Functions" (2 preguntas). Below the sidebar, the text "Fast Growth, Slow Growth" is visible. The main content area has a dark background. At the top, it says "CUESTIONARIO PRÁCTICO • 10 MIN". The title "Practice quiz onTangent Lines to Functions" is prominently displayed. Below the title, there are three green checkmarks indicating progress: "Envía tu tarea" (with a "Probar de nuevo" link), "Recibe la calificación", and "Calificación 100 %". The text "PARA APROBAR: 75 % o más" is shown below the second checkmark. A blue button labeled "Ver comentarios" is next to the score. At the bottom of the main area, there are icons for sharing, a question mark, and a flag. The Windows taskbar is visible at the very bottom of the screen, showing the time as 9:53 p.m. on 04/01/2021.

Practice quiz onTangent Lines to Functions

CUESTIONARIO PRÁCTICO • 10 MIN

Envía tu tarea [Probar de nuevo](#)

Recibe la calificación

PARA APROBAR: 75 % o más

Calificación **100 %** [Ver comentarios](#)

Conservaremos tu puntaje más alto.

MODULO 7: EXPONENTS AND LOGARITHMS

The screenshot shows a web browser window displaying a Coursera practice quiz. The browser's address bar shows the URL: <https://coursera.org/home/data-science/math-skills/learn/2/quiz/practice-quiz-on-exponents-and-logarithms>. The Coursera logo is in the top left, followed by a navigation menu with 'Explorar' and a search bar containing '¿Qué deseas aprender?'. The user's name 'Carolina' is in the top right. The page title is 'Data Science Math Skills > Semana 3 > Practice quiz on Exponents and Logarithms'. A sidebar on the left lists course items: '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), 'Cuestionario práctico: Practice quiz on Exponents and Logarithms' (12 preguntas), 'Cuestionario: Graded quiz on Tangent Lines to Functions, Exponents and Logarithms' (13 preguntas), and 'Lectura: Feedback' (10 min). The main content area is titled 'CUESTIONARIO PRÁCTICO • 40 MIN' and 'Practice quiz on Exponents and Logarithms'. It shows a progress bar and a list of steps: 'Envía tu tarea' (with a 'Probar de nuevo' link), 'Recibe la calificación' (with 'PARA APROBAR: 75 % o más'), and 'Calificación 100 %' (with a 'Ver comentarios' button and the text 'Conservaremos tu puntaje más alto.'). The Windows taskbar at the bottom shows the time as 09:24 p.m. on 06/07/2021.

Practice quiz on Exponents and Logarithms

12 preguntas

- ✓ 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
- ✓ Cuestionario práctico: Practice quiz on Exponents and Logarithms
12 preguntas
- ✓ Cuestionario: Graded quiz on Tangent Lines to Functions, Exponents and Logarithms
13 preguntas
- ✓ Lectura: Feedback
10 min

CUESTIONARIO PRÁCTICO • 40 MIN

Practice quiz on Exponents and Logarithms

✓ Envía tu tarea [Probar de nuevo](#)

✓ Recibe la calificación
PARA APROBAR: 75 % o más

Calificación
100 %
Conservaremos tu puntaje más alto.

[Ver comentarios](#)

Graded quiz on Tangent Lines to Functions, Exponents and Logarithms

coursera Explorar ¿Qué deseas aprender?

Data Science Math Skills Semana 3 Graded quiz on Tangent Lines to Functions, Exponents and Logarithms Anterior Siguiete

Graded quiz on Tangent Lines to Functions, Exponents and Logarithms

- ✓ 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
- ✓ Cuestionario práctico: Practice quiz on Exponents and Logarithms 12 preguntas
- ✓ Cuestionario: Graded quiz on Tangent Lines to Functions, Exponents and Logarithms 13 preguntas
- ✓ Lectura: Feedback 10 min

✓ Envía tu tarea

FECHA DE ENTREGA 17 de ene. 23:59 PST INTENTOS 3 cada 8 horas

✓ Recibe la calificación

PARA APROBAR 75 % o más

Calificación

92,30 %

Ver comentarios

Conservaremos tu puntaje más alto.

Acércate a tu objetivo

Es 12% más probable que completes el curso si finalizas la tarea

Probar de nuevo

99:34 p. m. 20/01/2021

MODULO 8: PROBABILITY CONCEPTS

The screenshot shows a web browser displaying a Coursera practice quiz. The browser's address bar shows the URL: <https://coursera.org/learn/math-science/math44/quiz/2882/practice-quiz-on-probability-concepts/redirect-to-cover.html>. The Coursera logo is in the top left, followed by a blue 'Explorar' button and a search bar containing '¿Qué deseas aprender?'. The user's name 'Carolina' is in the top right. Below the navigation bar, the breadcrumb trail reads 'Data Science Math Skills > Semana 4 > Practice quiz on Probability Concepts'. To the right of the breadcrumb are links for 'Anterior' and 'Siguiete'. The main content area has a dark background. On the left, a sidebar lists course items: 'Basic Probability Definitions' (with a green checkmark), 'Lectura: A note about the video lectures in this lesson' (3 min), 'Video: Probability Definitions and Notation' (7 min), 'Video: Joint Probabilities' (6 min), and 'Cuestionario práctico: Practice quiz on Probability Concepts' (9 preguntas, highlighted with a blue bar). Below this is 'Problem Solving Methods' and 'Applying Bayes Theorem and the Binomial Theorem'. The main area is titled 'CUESTIONARIO PRÁCTICO • 25 MIN' and 'Practice quiz on Probability Concepts'. It shows a green checkmark and 'Envía tu tarea' with a 'Probar de nuevo' link. Below that, another green checkmark and 'Recibe la calificación' are shown, with 'PARA APROBAR: 75 % o más'. A 'Calificación' box displays '88,88 %' and a 'Ver comentarios' button. A note below the score says 'Conservaremos tu puntaje más alto.' At the bottom right, there is an 'Activar Windows' watermark.

Basic Probability Definitions

- ✓ **Lectura:** A note about the video lectures in this lesson (3 min)
- ✓ **Video:** Probability Definitions and Notation (7 min)
- ✓ **Video:** Joint Probabilities (6 min)
- ✓ **Cuestionario práctico:** Practice quiz on Probability Concepts (9 preguntas)

Problem Solving Methods

Applying Bayes Theorem and the Binomial Theorem

- ✓ **Lectura:** A note about the video lectures in this lesson

CUESTIONARIO PRÁCTICO • 25 MIN

Practice quiz on Probability Concepts

✓ **Envía tu tarea** [Probar de nuevo](#)

✓ **Recibe la calificación**
PARA APROBAR: 75 % o más

Calificación
88,88 %
Conservaremos tu puntaje más alto.

[Ver comentarios](#)

Activar Windows
Ve a Configuración para activar Windows.

MODULO 9: METHODS

The screenshot shows the Coursera website interface. At the top, the Coursera logo is on the left, followed by a navigation bar with 'Explorar' and a search bar containing '¿Qué deseas aprender?'. On the right of the navigation bar are icons for a shopping cart, notifications, and a user profile for 'Carolina'.

The main content area is titled 'Data Science Math Skills' and 'Semana 4'. The current page is 'Practice quiz on Problem Solving'. On the left sidebar, there is a list of items: '6 min' (checked), 'Video: The Sum Rule, Conditional Probability, and the Product Rule' (8 min), 'Cuestionario práctico: Practice quiz on Problem Solving' (9 preguntas) (checked), 'Applying Bayes Theorem and the Binomial Theorem', 'Lectura: 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), and 'Video: The Binomial'.

The main content area displays 'CUESTIONARIO PRÁCTICO • 25 MIN' and 'Practice quiz on Problem Solving'. Below this, there are two status indicators: 'Envía tu tarea' (checked) and 'Recibe la calificación' (checked). The score is '88,88 %' and the status is 'PARA APROBAR: 75 % o más'. There is a button 'Ver comentarios' and a link 'Probar de nuevo'. At the bottom right, there is a Windows activation watermark.

MODULO 10: BAYES THEOREM

The screenshot shows the Coursera website interface for a quiz. The top navigation bar includes the Coursera logo, a search bar, and user information for 'Carolina'. The breadcrumb trail indicates the location: 'Data Science Math Skills > Semana 4 > Probability (basic and Intermediate) Graded Quiz'. The sidebar on the left lists several items, with the current quiz highlighted. The main content area displays the quiz title 'Probability (basic and Intermediate) Graded Quiz' and its duration 'CUESTIONARIO • 50 MIN'. Below the title, there are sections for 'Envía tu tarea' (Submit your task) and 'Recibe la calificación' (Receive your grade). The 'Envía tu tarea' section shows the deadline as '24 de ene. 23:59 PST' and the number of attempts as '3 cada 8 horas'. The 'Recibe la calificación' section shows the passing grade as '80 % o más'. The right sidebar features a progress indicator showing '91,66 %' and a 'Ver comentarios' button. A motivational message states: 'Acércate a tu objetivo. Es 18% más probable que completes el curso si finalizas la tarea.' The bottom of the page shows the Windows taskbar with various application icons and the system clock indicating '11:55 a.m. 20/01/2021'.

Course Progress:

- ✓ Video: Bayes' Theorem (Part 1) 10 min
- ✓ Video: Bayes' Theorem (Part 2) 5 min
- ✓ Video: The Binomial Theorem and Bayes Theorem 8 min
- ✓ Cuestionario práctico: Practice quiz on Bayes Theorem and the Binomial Theorem 9 preguntas
- ✓ Cuestionario: Probability (basic and Intermediate) Graded Quiz 12 preguntas**
- ✓ Lectura: Feedback 10 min

Quiz Details:

Probability (basic and Intermediate) Graded Quiz

CUESTIONARIO • 50 MIN

Envía tu tarea

FECHA DE ENTREGA: 24 de ene. 23:59 PST INTENTOS: 3 cada 8 horas

Recibe la calificación

PARA APROBAR: 80 % o más

Calificación: 91,66 %

Ver comentarios

Acércate a tu objetivo. Es 18% más probable que completes el curso si finalizas la tarea.

Probar de nuevo

11:55 a.m. 20/01/2021

