Detailed Analysis of the Online Course Engagement and Performance Analysis Dashboard

Brief Analysis:

- **Total Students:** 8,123
- **Courses Available:** 5
- **Course Completers:** 3,568
- **Average Time on Course:** 50 minutes
- **Average Quiz Score:** 75
- **Device Usage:**
  - Computer: 49.93%
  - Phone: 50.07%
- **Time Spent on Courses by Category:**

  - Highest in Health
  - Lowest in Science

- **Quizzes Taken by Course Completers:**

  - Varied number of quizzes, with many completers taking between 6 to 9 quizzes.

Detailed Analysis:

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Total Students and Course Completers:

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  - The dashboard shows a total of 8,123 students enrolled in courses.
  - Out of these, 3,568 students have completed their courses, indicating a completion rate of about 44%.

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Number of Courses:

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  - There are 5 different courses available to students. This variety might cater to different interests and needs.

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Average Engagement Metrics:

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  - **Average Time on Course:** Students spend an average of 50 minutes on their courses, which suggests a moderate level of engagement per session.

- o **Average Quiz Score:** The average quiz score is 75, indicating a satisfactory level of understanding and performance among students.

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Device Usage:

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- o The pie chart shows that device usage is almost evenly split between computers (49.93%) and phones (50.07%). This indicates that accessibility via both devices is equally important for students.

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Time Spent on Course by Category:

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- o **Health:** Students spend the most time on Health courses, slightly over 101%.
- o **Programming:** Just below Health in terms of time spent.
- o **Business:** Noticeable drop in engagement compared to Health and Programming.
- o **Arts:** Even less time spent compared to Business.
- o **Science:** Students spend the least amount of time on Science courses, around 98%.

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Number of Quizzes Taken by Course Completers:

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- o The bar chart indicates the number of quizzes taken by students who complete courses.
- o Most completers take between 6 to 9 quizzes, with a noticeable peak at 7 and 8 quizzes.
- o Fewer students take 1-2 or 10 quizzes.

Summary:

The dashboard provides a comprehensive overview of student engagement and performance across online courses. It highlights that while a significant number of students enroll, less than half complete their courses. The average engagement time and quiz scores are decent, indicating reasonable student performance. Device usage is almost equally split, emphasizing the need for platform accessibility on both computers and phones. Courses in Health and Programming see higher engagement, while Science courses have the least. The distribution of quizzes taken shows that students who complete courses tend to take a moderate number of quizzes. This data can help in understanding student behavior and improving course design and delivery.