Part 1: Analysis

1. **Describe the demographic details of people most likely to pass the test.**

* **Age:** Younger people, especially those under 35, have a significantly higher likelihood of passing the test. The blue towers on the left side of the age distribution chart, indicates a stronger performance among this age group.

A graph of age and past

Description automatically generated

* **Sex**: Men have a higher chance of passing the test. 53% males have passed the exam as comapared to 28% females.

A graph with blue and orange bars

Description automatically generated

* **Country:** Japanese and Italians have higher chances of failing the exam compared to other countries.
* A group of rows of green and red squares

  Description automatically generated

1. **Describe the efficacy of the two interventions - the test prep course and the Dojo class.**

* **Dojo Class:** Around 70% of the people who attended the Dojo class passed the test, while only 37% who didn't attend passed indicating Dojo class is very effective in helping people pass.
* **Test Prep Course:** About 51% of the people who took the test prep course passed the test, compared to 45% who did not take it. This shows that the test prep course helps more people pass.

A comparison of a graph

Description automatically generated with medium confidence

1. **Identify any other interesting trends from the data set and offer some analysis**

**as to their importance or cause.**

* **More Japanese students:** The number of students from Japan and those who spoke Japanese is overwhelming high.

A close-up of a pie chart

Description automatically generated

* **Impact of Country on Results:**
* In Japan, those who have passed, have on average, studied for long time as compared to those who have failed across all the age groups.
* In Finland, the youngest students have failed even after studying for long hours.
* In France, middle aged men above 40 have overwhelming success in passing the exam.

A group of rows of columns

Description automatically generated with medium confidence

* **Countries and Language:**
  + English speakers come from Australia, New Zealand, the United Kingdom, and the United States.
  + Spanish speakers come from Mexico and Spain.
  + Students who speak other languages generally originate from the same country as their language.

A graph of different countries/regions

Description automatically generated