**Chapter 1, Exercise 1a**

**What information do you get from reading the abstract and skimming the headings?**

From the abstract, we can see that this article is about the scoreboard for innovation performance published by the European Commission in 2021. The article compares the situation of innovation performance in the EU region and other countries around the world. As we can see from the subheadings, the article presents key finding about the innovation performance of particular countries for 2021. In addition to this, the Commission’s relevant comments on the current year’s situation and the context of the EU innovation Scoreboard are also included in this article.

**Read the introduction and the conclusion. What are the main concepts used?**

The main concept is that this year’s European Innovation Scoreboard is based on a revised framework that introduces new indicators that are more aligned with the EU’s political priorities. The European Innovation Scoreboard provides policy makers with information to enhance innovation in designated European policies. Its purpose is to conduct a comparative analysis of the innovation performance of EU countries and other countries and to assess the relative strengths and weaknesses of these countries' innovation systems, and to help countries identify areas they need to address.

**Which pages or what parts do you have to read carefully in order to understand the gist of the paper or the webpage?**

The introductory part and the conclusion part need to be carefully reviewed so that we can understand what the article wants to express as a whole. Some necessary background also needs to be read in order to better understand what is the article’s content.

**Chapter 1, Exercise 1c**

The main concept of this paper is to assess whether SII constitutes a meaningful measure of innovation performance. The research problem is that the result is negative. The resolution of this article is to develop alternative, productivity or efficiency-based measures of innovative system performance based on a simple index and complement it with advanced and powerful nonparametric data envelopment analysis techniques. Finally, they found that the results differ substantially between the SII and the ranking based on our method, with significant consequences for the design of innovation policies.

**Chapter 1, Exercise 1d**

**What kind of information does the European Innovation Scoreboard 2021 provide?**

The European Innovation Scoreboard 2021 provides information on what has changed compared to previous years and why. And there are also key findings based on the score, for example, the interpretation of the data. In addition, the relevant commentary by the Commission and the context of the EU Innovation Scoreboard are provided in this article.

**What kind of information does it not provide?**

The article does not clearly provide the research problem encountered and its resolution. The article does not provide a more detailed methodology and analysis of related indicators like the Edquist et al. 2018 article, and there is no empirical analysis. Additionally, the necessary discussions and conclusions also need to be provided.

**Is the use of the indicators and the interpretation of the data correct?**

As the indicators used in this year's European Innovation Scoreboard are based on a revised framework, comparisons to previous years remain to be considered. However, the interpretation of the data in the graph is correct

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