Questionnaire

The following questions are about clarity.

Please give a score of 1 – 4 and provide comments on the score below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | 1 – Very Unclear | 2 – Unclear | 3 – Clear | 4 – Very Clear |
| 1 | How clear is it a link exists between the number of hours per day a writer writes and the number of pages in their book? |  |  |  |  |
| 2 | How clear is it a link exists between ratings and sales? |  |  |  |  |
| 3 | Is it clear which country has the highest number of authors’ residences? |  |  |  |  |

|  |  |
| --- | --- |
| Comments | |
| 1 |  |
| 2 |  |
| 3 |  |

The following questions are about recognition speed.

Please give a score of 1 – 4 and provide comments on the score below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | 1 – Very Slow | 2 – Slow | 3 – Fast | 4 – Very Fast |
| 4 | How quickly did you decide that a link between the number of hours per day written and the number of pages in the book existed or not? |  |  |  |  |
| 5 | How quickly did you decide that a link between ratings and sales existed or not? |  |  |  |  |
| 6 | How quickly did you decide which country had the highest number of author residences? |  |  |  |  |

|  |  |
| --- | --- |
| Comments | |
| 4 |  |
| 5 |  |
| 6 |  |

The following questions are about general view on quality regarding the visualisations.

We define the following visualisation validation pillars:

* Domain Situation – this visualisation answers the needs of the task
* Data/Task Abstraction – this visualisation shows the correct information for the task.
* Visual Encoding – this visualisation works well to show the answer of the task.
* Algorithm – this visualisation is effective and fast at providing the answers to the task.

Please provide a score of 1 – 5 for each pillar, evaluating how each visualisation performs for their respective task.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Domain Situation | Data/Task Abstraction | Visual Encoding | Algorithm | Total |
| 7 | Task: show if there is or is not a link between the number of hours per day that an author writes and their total output (in terms of the total number of pages in their books)? |  |  |  |  |  |
| 8 | Task: show if there is or is not a link between ratings and sales at the book level? |  |  |  |  |  |
| 9 | Task: Show where authors live on a world map, how many work in each country, and provide information on the average price for books written in that country. |  |  |  |  |  |

For the final questions, please give general comments on your subjective view of the quality of the visualisation considering the bulleted visualisation validation pillars above.

|  |  |  |
| --- | --- | --- |
| Comments | | |
| 10 | Regarding the task mentioned in Q7 |  |
| 11 | Regarding the task mentioned in Q8 |  |
| 12 | Regarding the task mentioned in Q9 |  |

TASKS

For the following questions, please provide a score of 1 – 3 to denote how long it took to answer.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | 1 – Under 2 seconds | 2 – between 2 and 8 seconds | 3 – over 8 seconds |
| 13 | What is the average price of a book in any country? |  |  |  |
| 14 | Is there is a positive or negative trend between Average Pages Written and Hours of writing per day? |  |  |  |
| 15 | If there is a positive or negative trend between Total Book Sales and Average Book Rating. |  |  |  |

PLOT ATTRIBUTES

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Yes | | | | No | | |
| 16 | For each visualisation, do you think the colours are contrasting enough to make points of interest stand out? |  |  |  |  | |  |  |
| 17 | Do you think there is enough information displayed initially (before going into the tooltip)? |  |  |  |  | |  |  |
| 18 | Is it clear what the axis refers to? |  |  |  |  | |  |  |
| 19 | Is the tool tip information clear? |  |  |  |  | |  |  |
| 20 | Do you think the axis are an appropriate scale for the data points? |  |  |  |  | |  |  |