Analysis of E-library Using R Programming

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Abstract: Online Libraries have became an essential source of gaining knowledge of different fields around the world for both students and faculty's. People around the world have started using online libraries instead of offline libraries to accomplish there day to day tasks and researches, but in India people are used to offline libraries, because of that they are missing too much amount of content on their task or research, because in many of the Indian libraries don't have the books or research on ones particular topic, the benefit of E-library is that you can get ton lot of information on any topic from around the world. In India there are around 80,000 offline libraries, and around 1000 e libraries we need improve the strength of our e libraries, every one around India have right to gain knowledge of every level. In this survey we are going to see how many of the students, employees, faculty, people have loved and supported the idea of e-library or disliked the idea of e- library. In this Research paper we have used decision tree algorithm to analyze the data.

I. INTRODUCTION

Revolution of Technology day by day has found new solution and ways to solve the problem. From childhood to adulthood we all are very well known to books, everyone has books some may have many books in their collection, but we all have face problem in getting our books which are costly to buy, or to get them in our near by store or libraries as I said technology has the ability to solve our problems and the solution is e-book or e-libraries. This is our propose to aware our respected college's companies and the most important our government to support the idea of e-library. The purpose of this topic is to find which students, employees, faculty members or people are unhappy with their current library or want to gain more knowledge or want more content on their topic or research or studies. E-library include various level of knowledgeable books , documents , government surveys , picture books , government documents. E-books are usually demanded by people this days , For example In early days e-books or electronic resources in floppy disks but nowadays everything is available online so no need to carry heavy weight books , this are the benefits of e-library. In India children at small age are given eight classes per day in school that results to bag full of books, which they carry day to day results to weight loss, slow growth of heights , restless. By giving them computer on each table which will allow them to read in class as well as they will no more have to carry too much weight day to day this just one example of E-library. E library is having scope in future and step towards going green. Cutting of trees is a problem this days, slowly people are marching towards going green in India.

2. Data collection

The Data Set is taken from survey taken by the help of Google forms. The Data Set consists of decision taken by people on the topic E-library. We are trying to analyses each and every decision taken by everyone to get their review. All of this we are trying to solve By applying The Decision Tree Algorithm , we will get to analyses the decision of people on e-library whether they support the idea of e-library that they find e-library or e-books are solution to upgrade their knowledge their ideas their thinking.

Fig 1. Dataset

3. Data Visualization
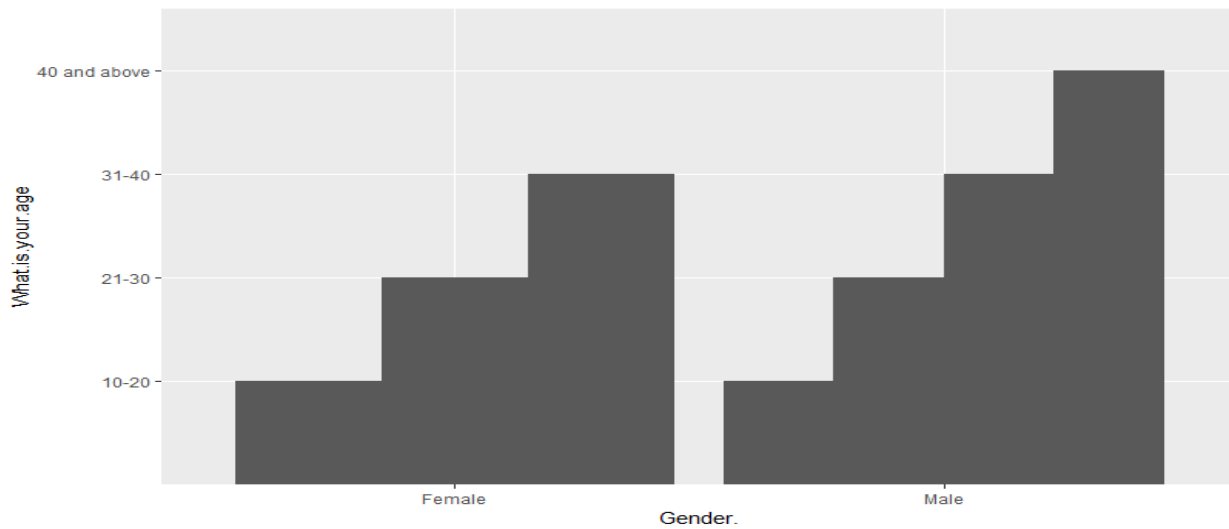
Fig 2.
The Bar Graph shown above shows us the age of people taken part in the survey.

Fig.3
Shows us how many hours People read books in week.

Fig.4. Shows Us How many people think E-books can help us from Cutting Trees.

Fig.5 Shows Us How people like to have E-library in their college, schools, company etc.

Fig.6 Shows us How many hours people read books.

Fig.7 Shows us how many people think reading books is important or not

4. Observation.

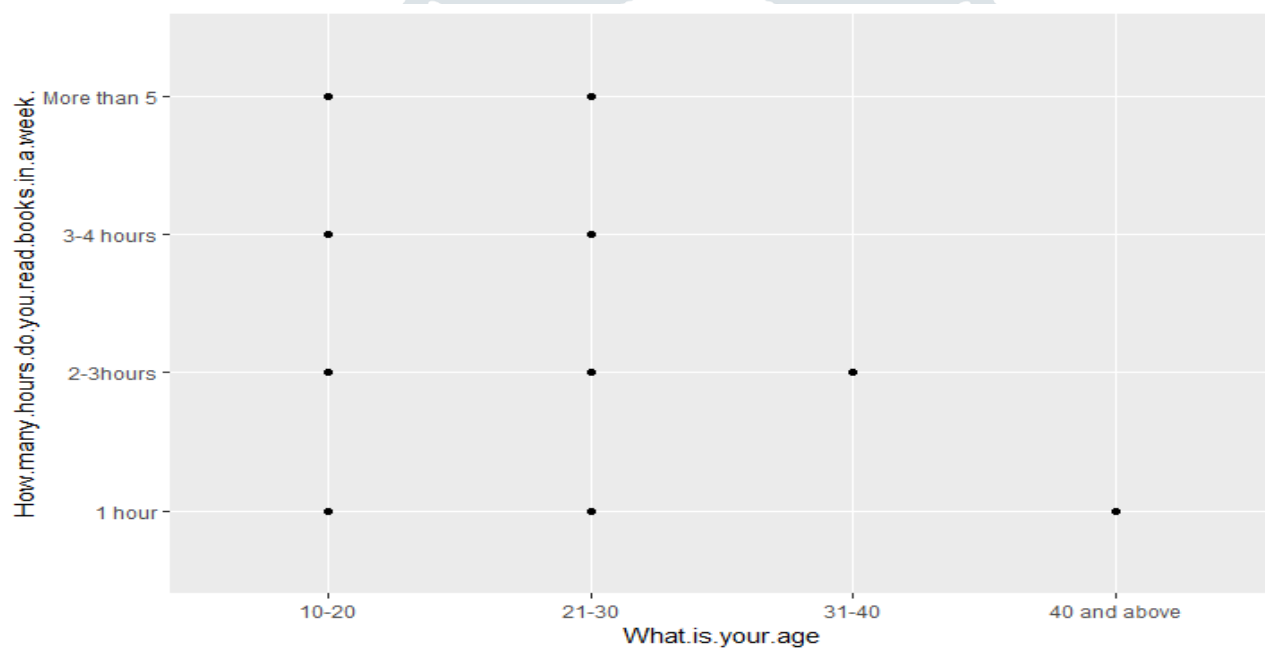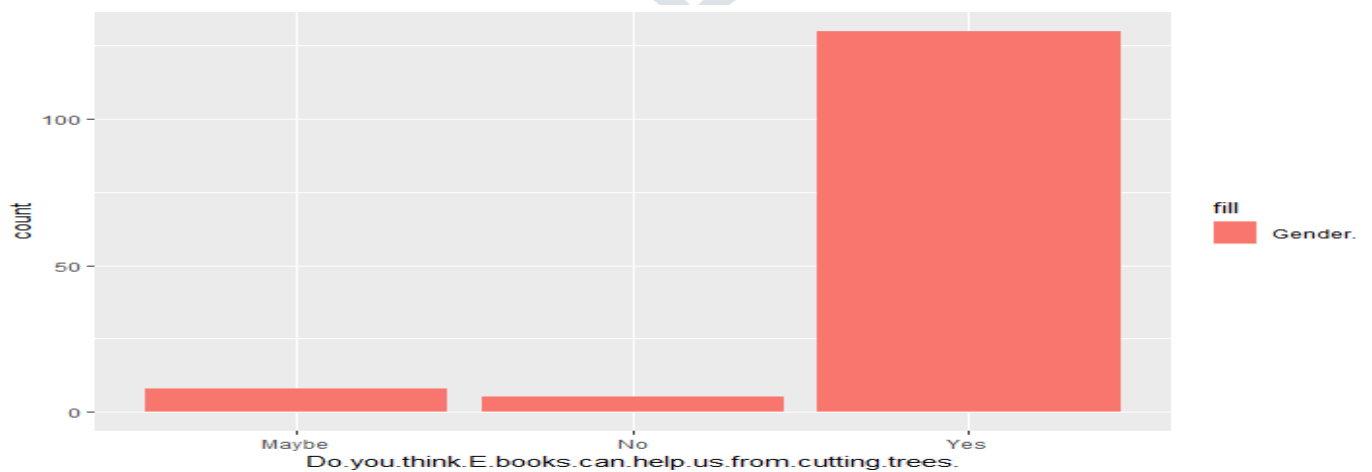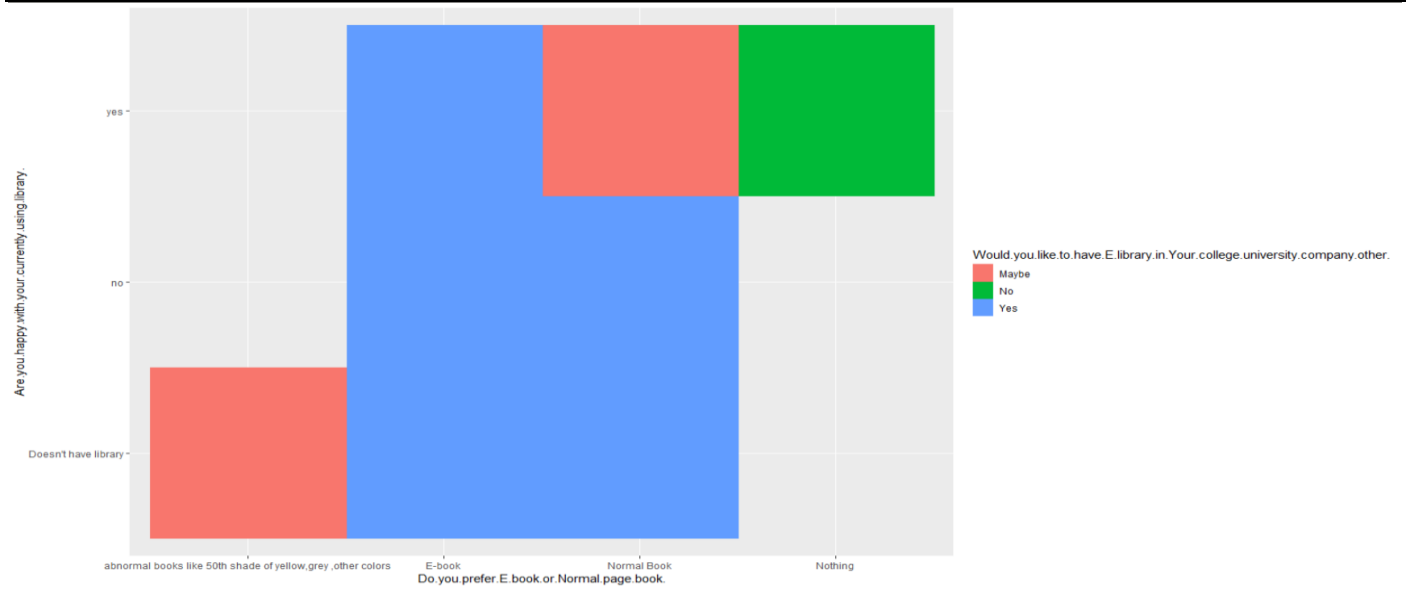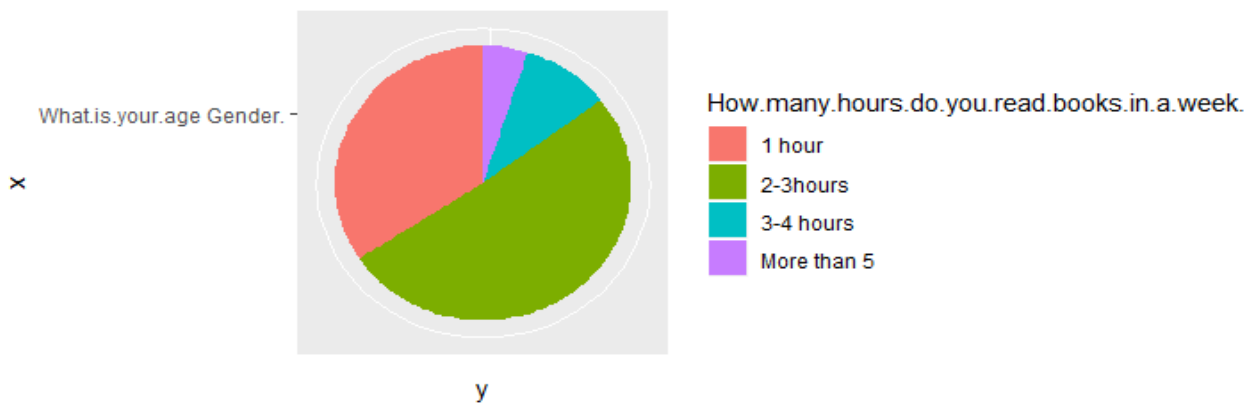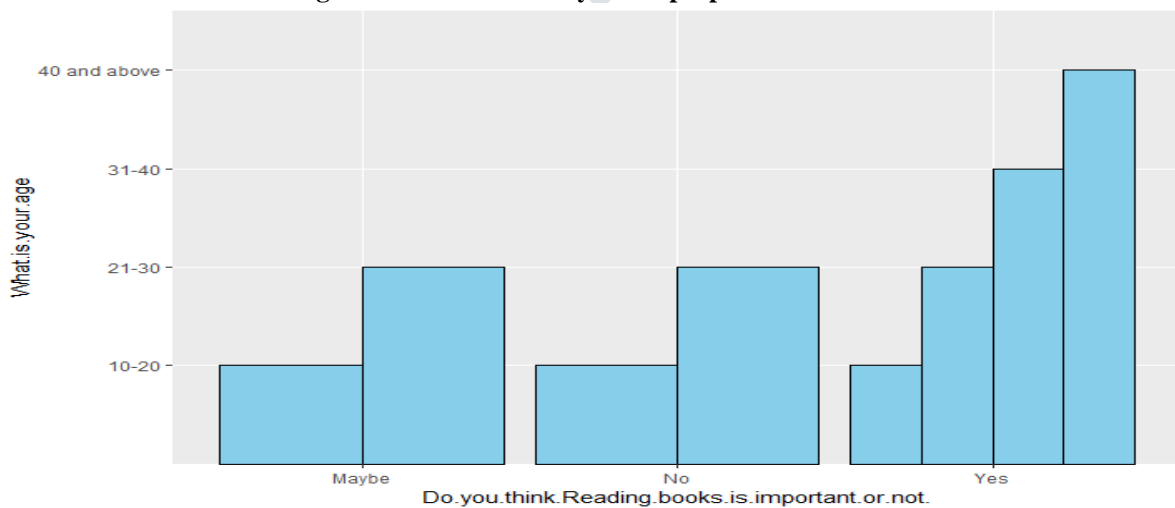From the following survey it has been observed that the impact and preference of E-library is more, People E-library, E-books are the future and one of the solution of saving trees from cutting. The following survey shows that in every question people have chosen E-library or E-books over normal library or currently using library.

5. Literature Survey

1. By Thillar, V.B. and Yadav. In this research paper, I like the research they have done on the topic E-library and the implementation of E-library in our day to day life. What I have like is the fact they are spreading the word about implementation and what are the benefits of E-library. How one can achieve the knowledge he wants with the cheapest invention of a E-library.

2. By Shiri; In this Research Paper they told the mechanism or how the E-library system works. They have how we can create a website which is beneficial to all. The working of a digital library, what is needed, how people access to information or the topic they want, it's all related. They have research on the newest technology present like how a cloud storage can store a pile of information on just one click. How E-library can be revolution to the future.

3. By Holsapple, C.W. and Lee-Post; In this research paper we will get to know how E-library can be solution to cutting trees or a step towards green future, that how implementation of E-library can save us global warning. That students will now not carry books full of weight on their shoulders when they can carry their books in their pockets, there is a solution to every problem and E-library is a solution to theirs.

6. Proposed System.

This Project is based on topic E-library or E-books. We are trying to implement or to spread the awareness of E-library or E-books in our school, colleges, companies.

(1).E-library should be implemented all over schools, colleges, companies. E-library will help students, people, in companies private or government systems.

(2).E-library consist of materials store in electronic format, formats would be combination of text, images, animation, sound, audio and animations.

(3).We will create online digital library because if we make it offline then we can't store data from all over world in one computer, and the benefit of online E-library is u will get from the oldest to the latest information available.

(4).So we will make a website or app through college, school, companies. Which will allow their workers, students, to access all the knowledge available at free of cost.

(5).The Website or App will allow user access and definition to Enable teachers, digital librarian, enable to operators and others. The website will have catalog which will have search engine by available subjects, different fields, format and size, new arrivals.

(6).We can Print/Share/download the content from the website or app. The content on the website will be available from around the world like from newspaper to encyclopedias or books on religion. No limit to knowledge and will available to all this should be our moto.

7. Conclusion

According to the data collected from the conducted survey its been observed that most of the population suffer from their regular Library or their Access to knowledge. From the survey above we can conclude that people are not happy with their day to day library. As a solution to their problem we have concluded that E-library or E-books are the solution. So we have proposed a E-library Website or app which will given by school, colleges, companies, to their students or workers or people. By Implementing E-library in our campuses we are taking a step towards green and knowledgeable future.

8. Reference

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