A1 Background to the problem

Internet addiction is already a recognised addiction and those most likely become addicted to the Internet are teenagers. This is partly because of the anonymity and therefore reputation-less nature of the Internet; this allows teenagers to do what ever they want to do using the Internet.

Some teenagers are completely hooked to their computers using websites like social networks sites and instant messenger everyday constantly this problem has revolved over the years as computers have become cheaper and easy to use, most households also own a computer which makes it ideal for teenagers to use and become addicted to the internet.

Teenagers have so much more time on their hands than their grown-up counterparts. This results in a vast amount of Internet use by the teenagers in there free time. The Internet has become considerable cheaper to get, as there is many companies like broadband and virgin, which do really cheap deals.

Parents of teenagers purchase this as a good deal but not realising the consequences as their son/daughter may become addicted to using the internet.

Teenagers may just be addicted to just 1 website and may not use any other websites. This is still a case of a form of addiction.

Computer addiction can lead to health and social problems such as RSI repetitive strain injury, which is also stimulated by the lack of exercise and opportunities like not going out and not socialising with friends, as their spare time will be on the computer. This could result to being a weight problem as sitting down being on the computer is no form of exercise or being healthy by no stretch of the imagination.

Teens don't stop using old technologies as they adopt new ones, "they just communicate more and more frequently," says a Pew analyst, and they pick the right tool for the situation. The least-favourite form of communication for teenagers aged 12 to 17 may be equally surprising: email. It seems kids today prefer bogging, social networking, and instant messaging[1].

In china there are 18.3 million teenage Internet users more than 2 million are already addicted to the Internet.

Lee parker presented at the annual meeting of the American Psychiatric Association, included 425 middle-school students. All were given a test of Internet addiction that asked such questions as whether you feel preoccupied with the Internet, whether you repeatedly make unsuccessful efforts to cut back on use, and whether your online travels are a means of escaping from problems.

The study shows that about 11% of the teens were "highly addicted to the Internet," Lee says. "Less than one-third were in the no-risk group."

[1] http://www.newser.com

Seven per cent of teenagers aged 13 to 17 described themselves as "becoming addicted" to the net and other 26 per cent said they used it every day and considered it "an important part of their lives".[2]

[2] www.theage.com.

A4 set a simple – complex hypothesis

Growing numbers of teenagers are becoming addicted to Internet using chat rooms, messenger, and social networks. This will affect the amount of other things they do, like sport.

I have chosen this hypothesis because I would like to find out about the percentage teenagers that own a computer and how often the majority of teenagers use their computer to see weather they have some sort of addiction to the internet.

To prove my hypothesis I will present 100 teenagers with my questionnaire, which will ask about their usage of the internet.

I believe that the outcome will be that the people who own a computer will have some sort of addiction to the internet due to them being bored and the internet being easy and faster to use. Parents of teenagers will buy there children a computer to play games and chat to there friends rather than them hanging around on the street.

To prove my or disprove my hypothesis I am going to gather information on what teenagers use the Internet for and how often they use the Internet. I am going to find out this information from the use of questionnaires, using closed and multiple-choice questions, this will make sure I get the information I won't to get.

I will try to see how many teenagers actually use the internet, if more than 70% say yes then this will prove my hypotheses that teenagers are becoming addicted to the internet, if there is a more percentage of no then it will disprove, I will check to see how many teenagers own a computer to then see how long they use there computer.

I will be looking at how often teenager use the computer and how long a day, if they are on there computer frequently or always over a period of time I will then see this as an addicted to there computer. If they use there computer for more than 2 hours a day then this will also be an addiction.

My hypothesis is about teenagers becoming addicted to the web, this is the focus of my research, the data I collect will be processed by using a program called excel, in excel I will use charts and formulas to test my hypothesis; after gathering information on this excel it will automatically get my results by the use of a formula, also when using excel this will then help me either prove or disprove my hypothesis.

Criteria that will be used to measure success

1. Teenagers that have internet access do not visit their local leisure facilities as often as they should.
2. Reduced cost by ISP has increased the numbers of teenagers using the internet.
3. A greater proportion of teenagers surveyed will own a computer with internet access.
4. Teenagers will spend more time at their computer for leisure purposes rather than work.
5. A greater proportion of teenagers will socialise using their internet.
6. A significant number of teenagers usage of outdoor activities will have decreased as more time is spent at a computer

A7 Identify some of the data to be collected and briefly explain how it will be processed

For my research I will use a combination of both primary research and secondary research. My primary research will include the use of questionnaires. I will try to collect information from my sample that will include information about teenagers and their Internet usage.

In Secondary research I will collect information to help me understand the background of the problem; this will include using the use of newspapers, magazines, statistics and the Internet.

My data will be collected outside a public school, in the Erdington area.

The data to be collected will be a sample of school teenagers aging from 11 to 17, children under 11 will not be asked any questions as they are not teenagers. My questionnaire will have mostly closed questions; the questions will be conducted on a one to one basis.

I will ask questions about how much they use the internet and whether they use it for social networking etc. I will also ask about sport.

The data will be manually imputed into an Excel spreadsheet using a form which will use validation to reduce entry errors.

A range of statistical and logical functions will be used to carry out a complex analysis. I will need to get the totals and averages for each question for different age groups. I will also need to summarise the data using charts. For example I will need a chart showing the number of hours of internet access for different age groups. The data will be collected and summarised on a results sheet in my Excel spreadsheet.

The Data Protection Act

I will follow the data protection act.

Anyone processing personal data has got to comply with the eight enforceable principle of good practice. These principles say that:

Personal data shall be processed fairly and lawfully

Personal data shall be obtained only for one or more specified and lawful purposes, and shall not be further processed in any manner incompatible with that purpose or those purposes. My data will only be for my use only, the purpose of me gathering the data will be for my own research.

Personal data shall be adequate, relevant and not excessive in relation to the purpose or purposes for which they are processed.

Personal data shall be accurate and, where necessary, kept up to date.

Personal data processed for any purpose or purposes shall not be kept for longer than is necessary for that purpose or those purposes.

Personal data shall be processed in accordance with the rights of data subjects under this Act.

Appropriate technical and organisational measures shall be taken against unauthorized or unlawful processing of personal data and against accidental loss or destruction of, or damage to, personal data.

Personal data shall not be transferred to a country or territory outside the European Economic Area unless that country or territory ensures an adequate level of protection for the rights and freedoms of data subjects in relation to the processing of personal data. My research will not be used or transferred to any other country and will not be used for market research. The data I collect will just be for the purposes for my research.

When storing my data I will try to follow the data protection act. The data protection act exists to provide protection for people's personal information and to allow others to use personal information when they need to in accordance with set statutory principles. It was passed in 1998 and came into force in 2000. In my questionnaire people personal information will be used just relevant for my research. I will not ask for any irrelevant information such as there bank details or even there address as this is not appropriate for my research.

B1 Questionnaire Design

My questionnaire Design

The first thing I did to create my questionnaire was look for my objective which was teenagers becoming addicted to there computer and mainly the internet.

There are two main objectives in designing a questionnaire:

My first one was to maximise the proportion of teenagers answering my questionnaire for the response rate.

My second is to obtain accurate relevant information for my questioner.

To maximize my response I had to consider carefully how I put across the questions and what answers I needed, the length of my questions was appropriate to accurate and relevant information; I had to give some thought into my questions: How I ask them, the order I asked them in and the general layout of the questionnaire.

The Wording of individual questions
The ways questions are phrased is important and there are some general rules for constructing good questions in a questionnaire, some questions maybe misleading and may not get the correct response.

I used short and simple sentences

For example: What do you mainly use your computer for?

Short, simple sentences are generally less confusing and ambiguous than long, complex ones. As a rule of thumb, most sentences should contain one or two clauses. Sentences with more than three clauses should be rephrased. This will help the person being questioned.

I will only ask one piece of information at a time

For example: Do you have own a computer?

My general rules of arranging my questions:

- Go from general to particular.
- Go from easy to difficult.
- Start with closed format questions.
- Start with questions relevant to the main subject.
- Do not start with demographic and personal questions.

Introduction, personalised letter, and ending

It seems a good idea to have either a personalised covering letter or at least an intro explaining briefly the purpose of the survey.

This is my introduction
"Hi my name is CE and I am doing some research on whether teenagers are becoming addicted to using the internet"

This is my Ending
"Thank you for doing my questionnaire"

Are teenagers becoming addicted to the internet?

Hi my name is CE and I am doing some research on weather teenagers are becoming addicted to using the internet.

Please could you answer some questions?

1. Do you have own a computer? Yes ☐ No ☐

2. How often do you use your computer?

Never ☐ Sometimes ☐ Frequently ☐ Always ☐

3. How long have you owned a computer?

☐

4. What do you mainly use your computer for?

School homework ☐ Chat rooms ☐ Social networks ☐

Playing games ☐ other ☐

5. For how long a day would you spend using your computer?

1 hour or fewer ☐ 1/2 hours ☐ over 3 hours ☐

6. Do you use your computer more that going out socialising?

Yes ☐

No ☐

7. Have you ever suffered from any illness or strain from using you computer too much?

Yes ☐

(If yes please state) ☐

No ☐

8. Do you prefer being on your computer than playing some kind of sport?

☐

9. Do you stay up late using chat rooms or social networks?

Yes ☐

No ☐

10. Do you or have you ever considered your self being addicted to using the internet?

Yes ☐

No ☐

B4 Sampling methods

The sampling method I have chosen is random sampling because this allows each individual to be chosen randomly and entirely by chance, such that each individual has the same probability of being chosen at any stage during the sampling process .
With this method of sampling the potential people you want to interview are listed e.g. a group of 100 are listed and a group of 20 may be selected from this list at random.

I will make sure that my questionnaire is only conducted by teenagers aged between 13 and 17. My research will take place in a public area. This would be a randomly selected area to make it a fair test; this will then defiantly no be bias to my hypothesis.

My final report will contain charts, tables, and diagrams in excel. Then that will communicate the results of my research, this then will hopefully lead to a solution of the problem.

My sampling size is going to be around 100 because the time does not allow me to get the information as it is just me doing the questions singe handed. For me to get the best results I need a wide Varity of them so a 100 is my number to have completed questionnaires; this also means that have will have more information to work with. The more answers I get the more my analysis will be more accurate.

My questionnaire has got 10 questions, this means that my questionnaire can be conducted quickly by people this is then easier for me to. Then along side I have mainly used closed questions but some open questions this is so my questionnaire is easy from the sampler's point of view but the open questions.

There might be some potential problems when people fill out my questionnaire due to they might not finish the questionnaire or might just tick any answers this would then be anomaly. So therefore some respondents may not make my results accurate. Also I might find that I have a slight problem when it comes to how many boy/girls did the questionnaire it may not be an equal amount as there may be more girls who will do the questionnaires as some boys may not be approachable.

Excel is the program I am going to use to tally up my results; this may take a lot of time and effort to do correctly and produce the graphs needed in excel spread sheet there will be three pages a home, analysis and a results, when I have all my results I will start to analysis my results . After all this is completed I will reflect back on my hypothesis.p

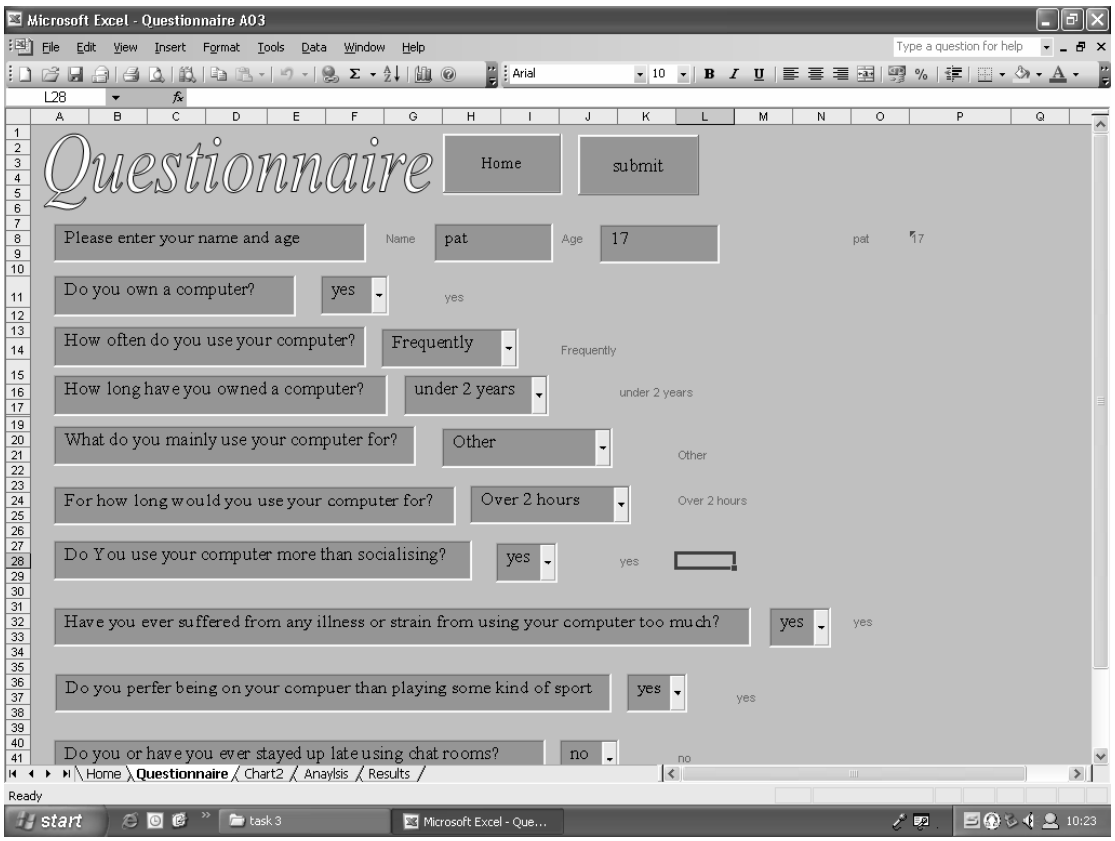
B9 The constraints that affect the reliability of my questionnaire.

The place I will be conducting my questionnaire will be in west midlands as I can not travel around England or the world this is then not a true reflexion of teenagers so it will be just based on just teenagers from the west midlands, but people's views and usage of the internet could change daily like the whether.

Teenagers taking my questionnaire may not answer it fully to the truth as they may feel embarrassed on how long they spend on there computer or illnesses they have had wiliest being on there computer.

I will be asking at least a 100 teenagers to get the best results however this may take some time. The could be an error here as if I get 80 girls who take the questionnaire and only 20 boys it will not be a true reflxion of teenagers overall. So it would be best to get an equally amount of each, this will then take more time unless I luckily get 50 boys and 50 girls who take the questionnaire.

C1 Simple interface for collecting data

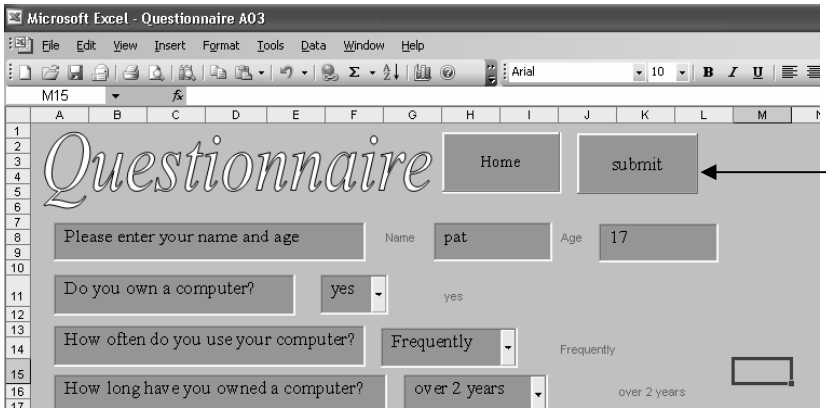


This is my interface for collecting data; I filled in this from using data I collected via my questionnaires I would then submit this information to my results page by pressing the submit button after a form is filled in. My result page would then be updated and used for analysis to test my hypothesis.

By using forms it will stop me from having errors, for example question 1, do you own a computer it is a yes or no answer, this is then easy to analyse the data as it restricts the errors, it also reduces time by cutting down on key strokes making the system more efficient.

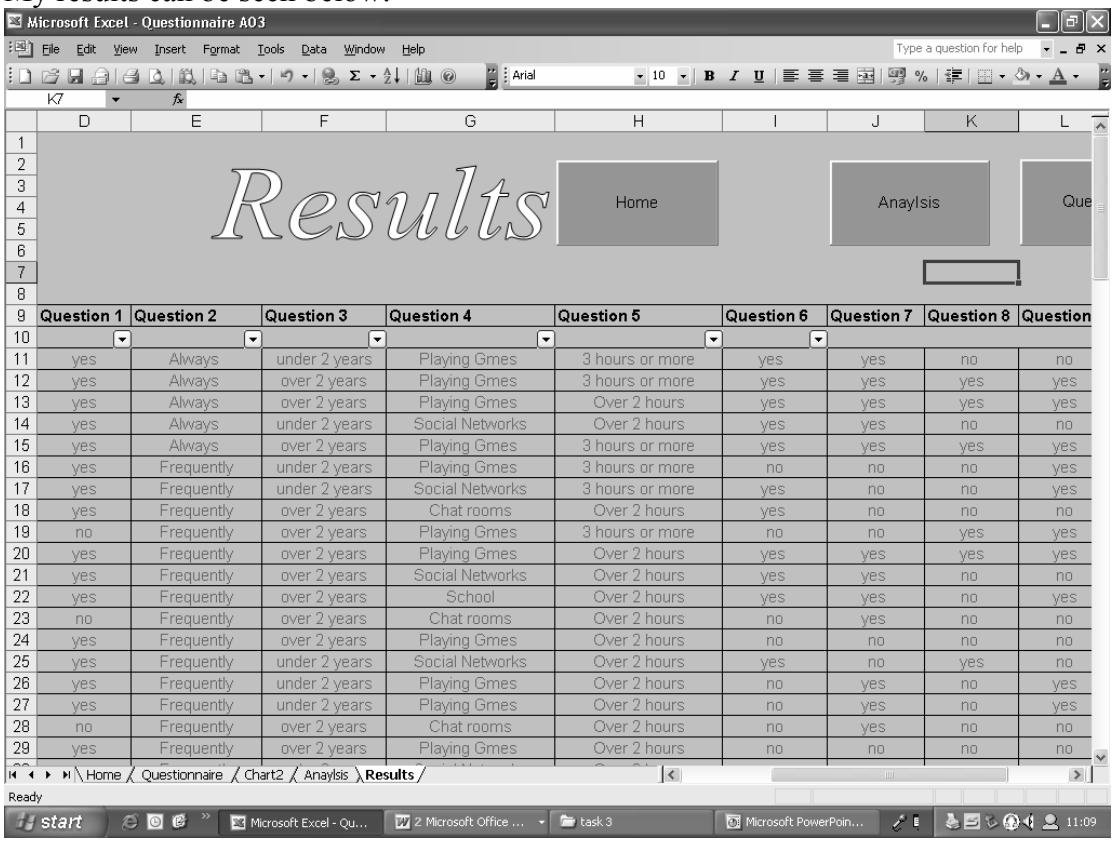
C4 collect and store some useful data

This is where I collected and stored the results for my questionnaire. In my results page on my Excel spreadsheet is where all the result from my questionnaire would get submitted to, after a form would be filled in and the submit button pressed .



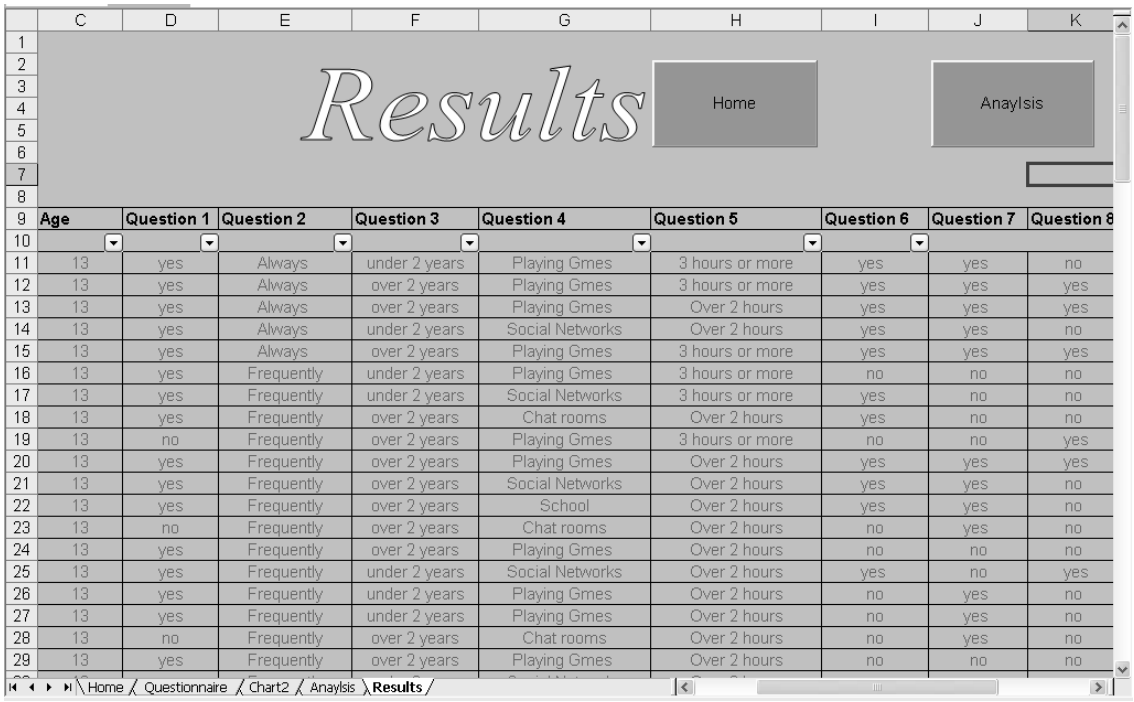
This is my submit button click this to submit the information and it stores the information in my results

My results can be seen below:



Question 1	Question 2	Question 3	Question 4	Question 5	Question 6	Question 7	Question 8	Question
yes	Always	under 2 years	Playing Gmes	3 hours or more	yes	yes	no	no
yes	Always	over 2 years	Playing Gmes	3 hours or more	yes	yes	yes	yes
yes	Always	over 2 years	Playing Gmes	Over 2 hours	yes	yes	yes	yes
yes	Always	under 2 years	Social Networks	Over 2 hours	yes	yes	no	no
yes	Always	over 2 years	Playing Gmes	3 hours or more	yes	yes	yes	yes
yes	Frequently	under 2 years	Playing Gmes	3 hours or more	no	no	no	yes
yes	Frequently	under 2 years	Social Networks	3 hours or more	yes	no	no	yes
yes	Frequently	over 2 years	Chat rooms	Over 2 hours	yes	no	no	no
no	Frequently	over 2 years	Playing Gmes	3 hours or more	no	no	yes	yes
yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	yes	yes	yes	yes
yes	Frequently	over 2 years	Social Networks	Over 2 hours	yes	yes	no	no
yes	Frequently	over 2 years	School	Over 2 hours	yes	yes	no	yes
no	Frequently	over 2 years	Chat rooms	Over 2 hours	no	yes	no	no
yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	no	no	no	no
yes	Frequently	under 2 years	Social Networks	Over 2 hours	yes	no	yes	no
yes	Frequently	under 2 years	Playing Gmes	Over 2 hours	no	yes	no	yes
yes	Frequently	under 2 years	Playing Gmes	Over 2 hours	no	yes	no	yes
no	Frequently	over 2 years	Chat rooms	Over 2 hours	no	yes	no	no
yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	no	no	no	no

To make my results easier on each question you can see what results you want to look for example if you want to on question 4 you can only look at the people who choose playing games you can also count how many people choose this by using the COUNT IF option, which I used to summarise my data on each question of my results.



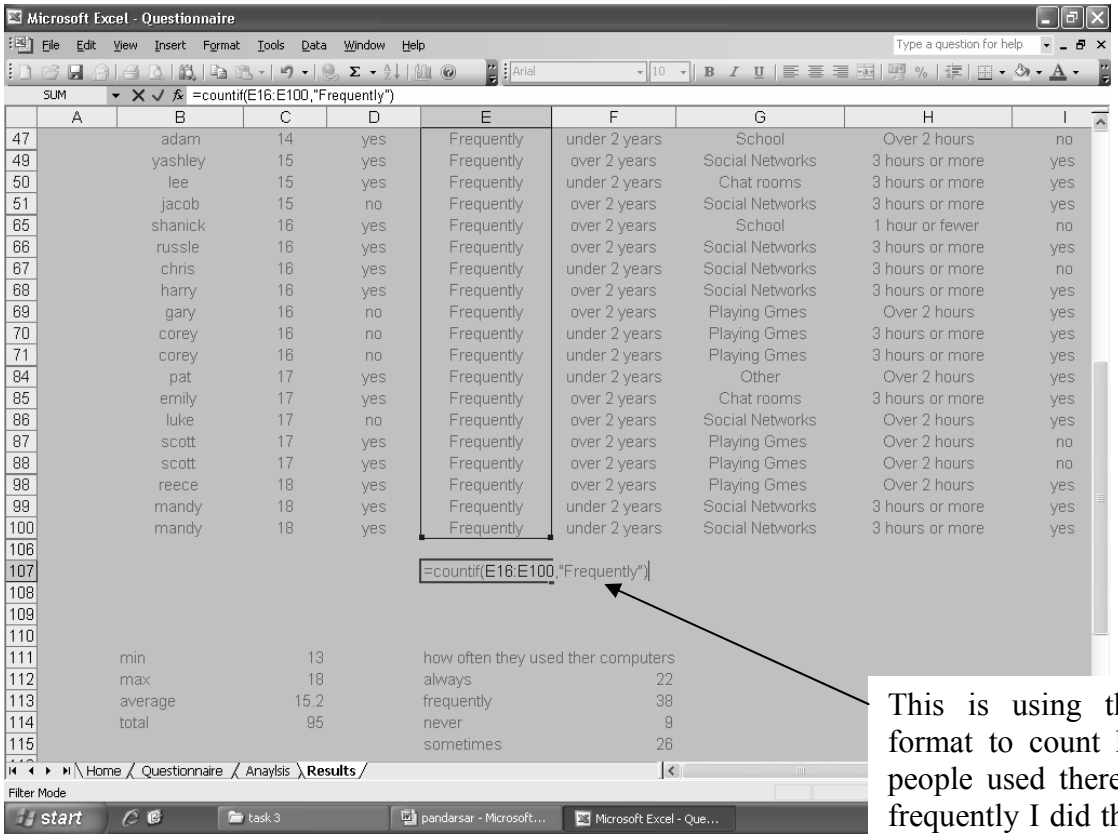
Results

Home

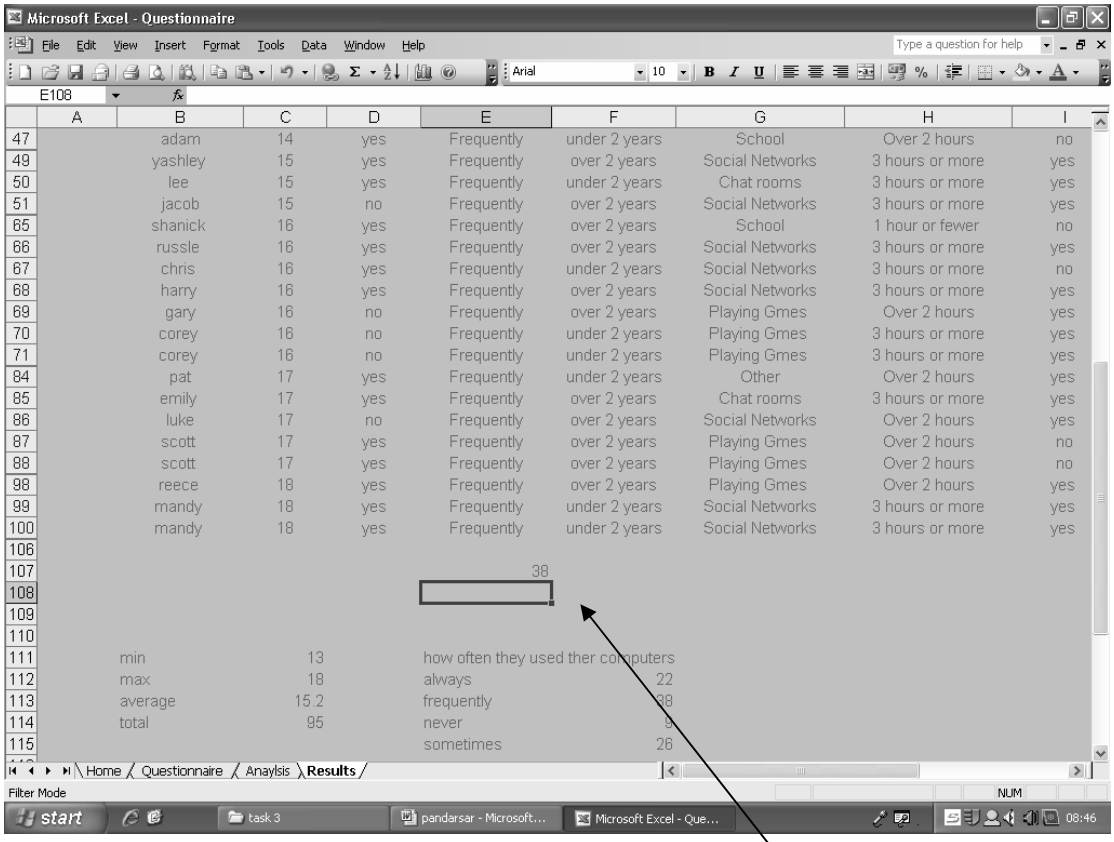
Anaylsis

Age	Question 1	Question 2	Question 3	Question 4	Question 5	Question 6	Question 7	Question 8
13	yes	Always	under 2 years	Playing Gmes	3 hours or more	yes	yes	no
13	yes	Always	over 2 years	Playing Gmes	3 hours or more	yes	yes	yes
13	yes	Always	over 2 years	Playing Gmes	Over 2 hours	yes	yes	yes
13	yes	Always	under 2 years	Social Networks	Over 2 hours	yes	yes	no
13	yes	Always	over 2 years	Playing Gmes	3 hours or more	yes	yes	yes
13	yes	Frequently	under 2 years	Playing Gmes	3 hours or more	no	no	no
13	yes	Frequently	under 2 years	Social Networks	3 hours or more	yes	no	no
13	yes	Frequently	over 2 years	Chat rooms	Over 2 hours	yes	no	no
13	no	Frequently	over 2 years	Playing Gmes	3 hours or more	no	no	yes
13	yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	yes	yes	yes
13	yes	Frequently	over 2 years	Social Networks	Over 2 hours	yes	yes	no
13	yes	Frequently	over 2 years	School	Over 2 hours	yes	yes	no
13	no	Frequently	over 2 years	Chat rooms	Over 2 hours	no	yes	no
13	yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	no	no	no
13	yes	Frequently	under 2 years	Social Networks	Over 2 hours	yes	no	yes
13	yes	Frequently	under 2 years	Playing Gmes	Over 2 hours	no	yes	no
13	yes	Frequently	under 2 years	Playing Gmes	Over 2 hours	no	yes	no
13	no	Frequently	over 2 years	Chat rooms	Over 2 hours	no	yes	no
13	yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	no	no	no

Home / Questionnaire / Chart2 / Anaylsis / Results /



This is using the countif format to count how many people used there computer frequently I did this on each question to summarise my data.



	A	B	C	D	E	F	G	H	I
47		adam	14	yes	Frequently	under 2 years	School	Over 2 hours	no
49		yashley	15	yes	Frequently	over 2 years	Social Networks	3 hours or more	yes
50		lee	15	yes	Frequently	under 2 years	Chat rooms	3 hours or more	yes
51		jacob	15	no	Frequently	over 2 years	Social Networks	3 hours or more	yes
65		shanick	16	yes	Frequently	over 2 years	School	1 hour or fewer	no
66		russle	16	yes	Frequently	over 2 years	Social Networks	3 hours or more	yes
67		chris	16	yes	Frequently	under 2 years	Social Networks	3 hours or more	no
68		harry	16	yes	Frequently	over 2 years	Social Networks	3 hours or more	yes
69		gary	16	no	Frequently	over 2 years	Playing Gmes	Over 2 hours	yes
70		corey	16	no	Frequently	under 2 years	Playing Gmes	3 hours or more	yes
71		corey	16	no	Frequently	under 2 years	Playing Gmes	3 hours or more	yes
84		pat	17	yes	Frequently	under 2 years	Other	Over 2 hours	yes
85		emily	17	yes	Frequently	over 2 years	Chat rooms	3 hours or more	yes
86		luke	17	no	Frequently	over 2 years	Social Networks	Over 2 hours	yes
87		scott	17	yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	no
88		scott	17	yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	no
98		reece	18	yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	yes
99		mandy	18	yes	Frequently	under 2 years	Social Networks	3 hours or more	yes
100		mandy	18	yes	Frequently	under 2 years	Social Networks	3 hours or more	yes
106									
107					38				
108									
109									
110									
111		min	13		how often they used ther computers				
112		max	18		always	22			
113		average	15.2		frequently	38			
114		total	95		never	9			
115					sometimes	26			

Which = 38 people said frequently to using there computer. My results will now be accurate

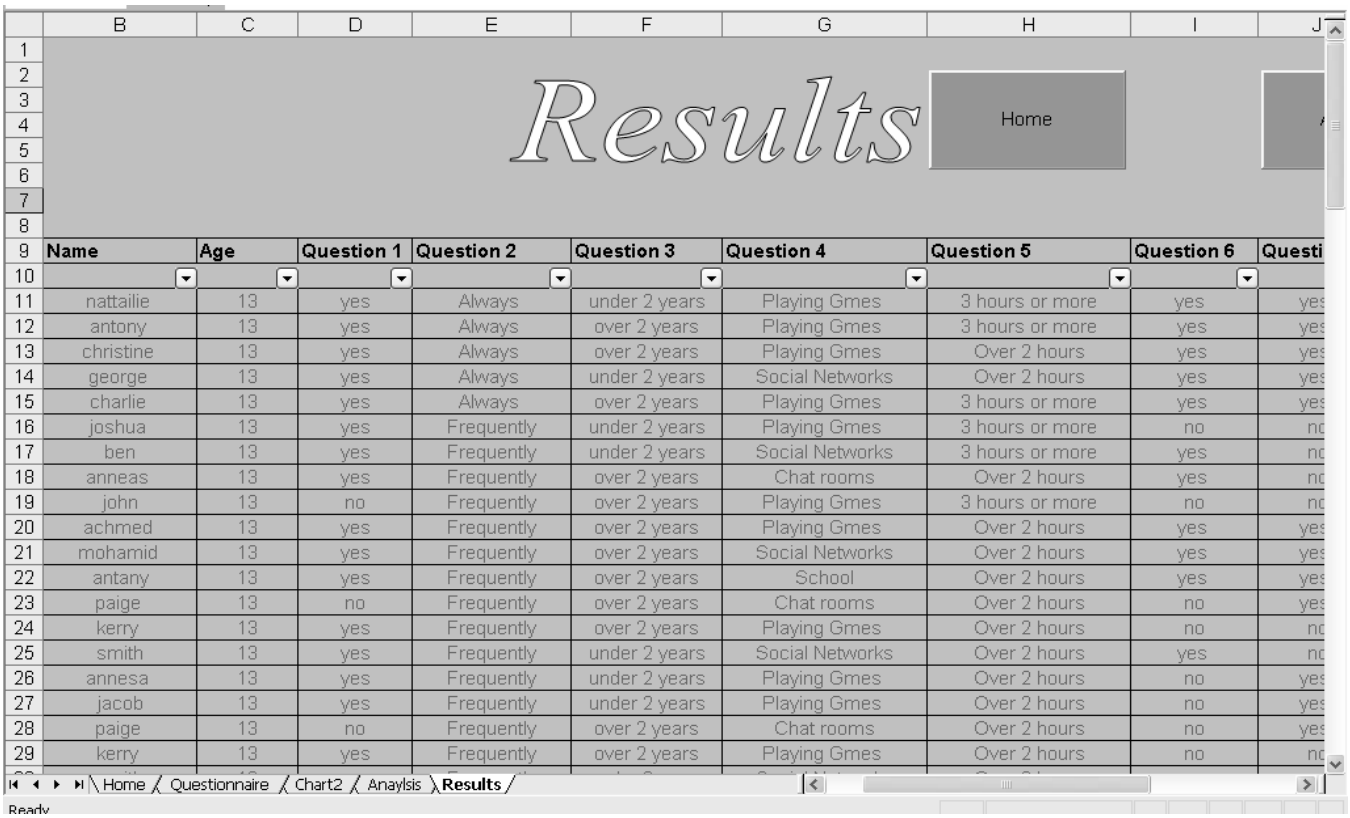
Protecting the data

I have stored my data using excel spreadsheet my spreadsheet has a password protection set up so the is no unauthorised access, excel database can have a massive amount of data stored.

The method available to me to securely save my data are encryption and network back up my work on my memory stick so if ever I loose the information it will be backed up on my memory stick or also on a CD. I will make sure any unsecured data is password protected to insure safety of the information I have gathered.

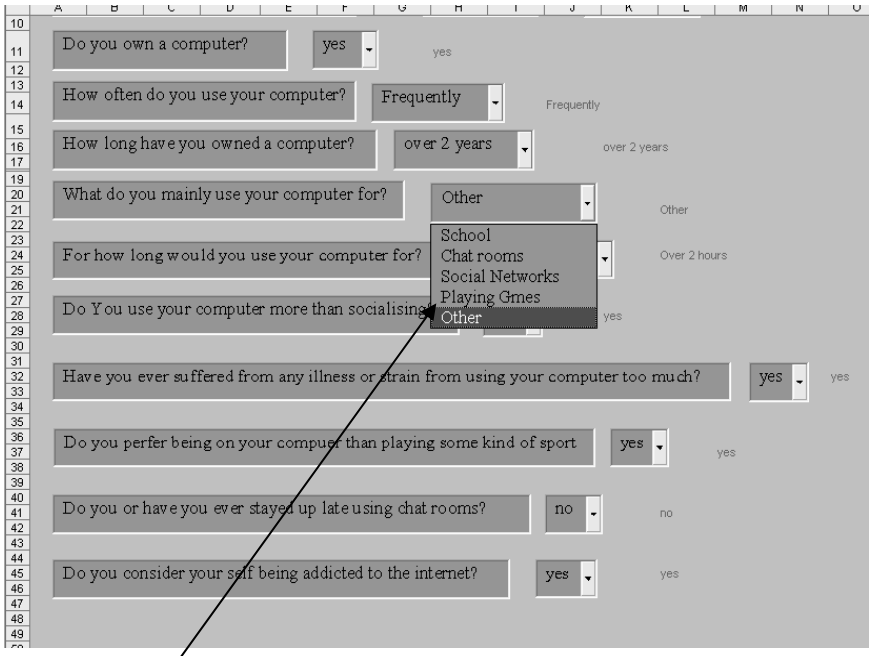
D1 structure to present the results of my study

These are the names of my pages in Excel spreadsheet, they have been arranged and organised and are also linked together through the use of macros which I recorded. This is the structure of my results of my study which is in Excel.



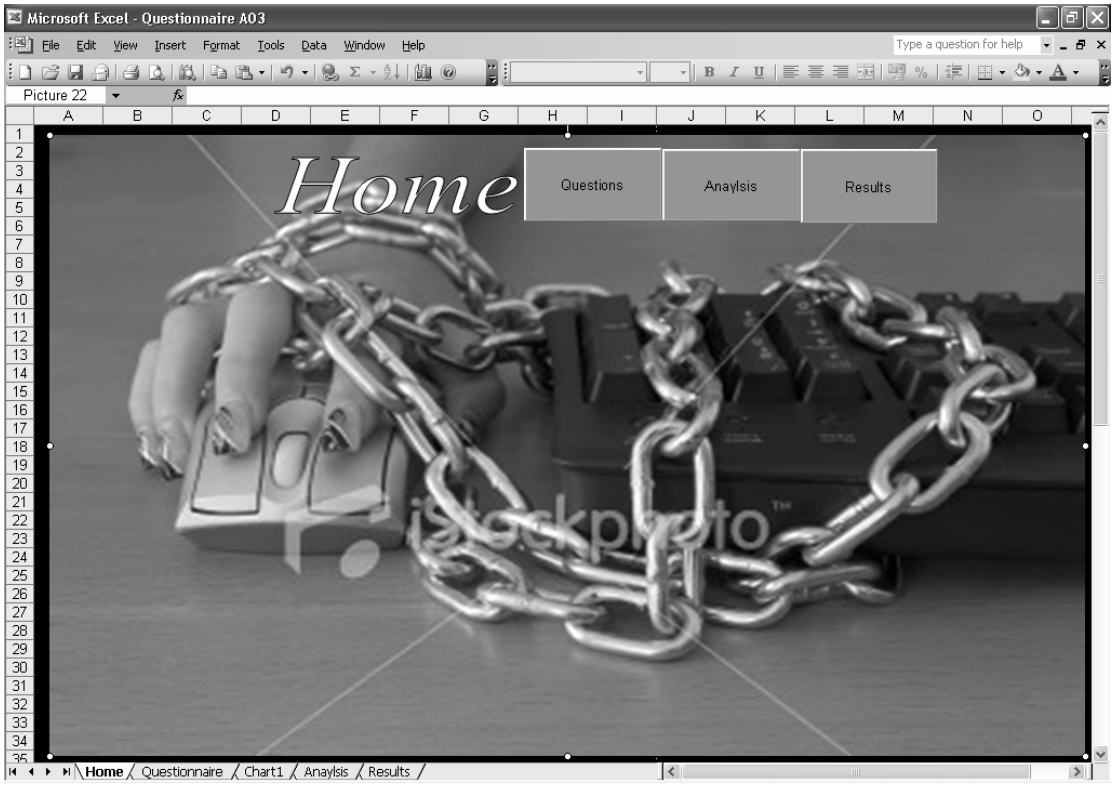
Name	Age	Question 1	Question 2	Question 3	Question 4	Question 5	Question 6	Questi
nattailie	13	yes	Always	under 2 years	Playing Gmes	3 hours or more	yes	yes
antony	13	yes	Always	over 2 years	Playing Gmes	3 hours or more	yes	yes
christine	13	yes	Always	over 2 years	Playing Gmes	Over 2 hours	yes	yes
george	13	yes	Always	under 2 years	Social Networks	Over 2 hours	yes	yes
charlie	13	yes	Always	over 2 years	Playing Gmes	3 hours or more	yes	yes
joshua	13	yes	Frequently	under 2 years	Playing Gmes	3 hours or more	no	no
ben	13	yes	Frequently	under 2 years	Social Networks	3 hours or more	yes	no
anneas	13	yes	Frequently	over 2 years	Chat rooms	Over 2 hours	yes	no
john	13	no	Frequently	over 2 years	Playing Gmes	3 hours or more	no	no
achmed	13	yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	yes	yes
mohamid	13	yes	Frequently	over 2 years	Social Networks	Over 2 hours	yes	yes
antany	13	yes	Frequently	over 2 years	School	Over 2 hours	yes	yes
paige	13	no	Frequently	over 2 years	Chat rooms	Over 2 hours	no	yes
kerry	13	yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	no	no
smith	13	yes	Frequently	under 2 years	Social Networks	Over 2 hours	yes	no
annesa	13	yes	Frequently	under 2 years	Playing Gmes	Over 2 hours	no	yes
jacob	13	yes	Frequently	under 2 years	Playing Gmes	Over 2 hours	no	yes
paige	13	no	Frequently	over 2 years	Chat rooms	Over 2 hours	no	yes
kerry	13	yes	Frequently	over 2 years	Playing Gmes	Over 2 hours	no	no

D4 use some validation methods

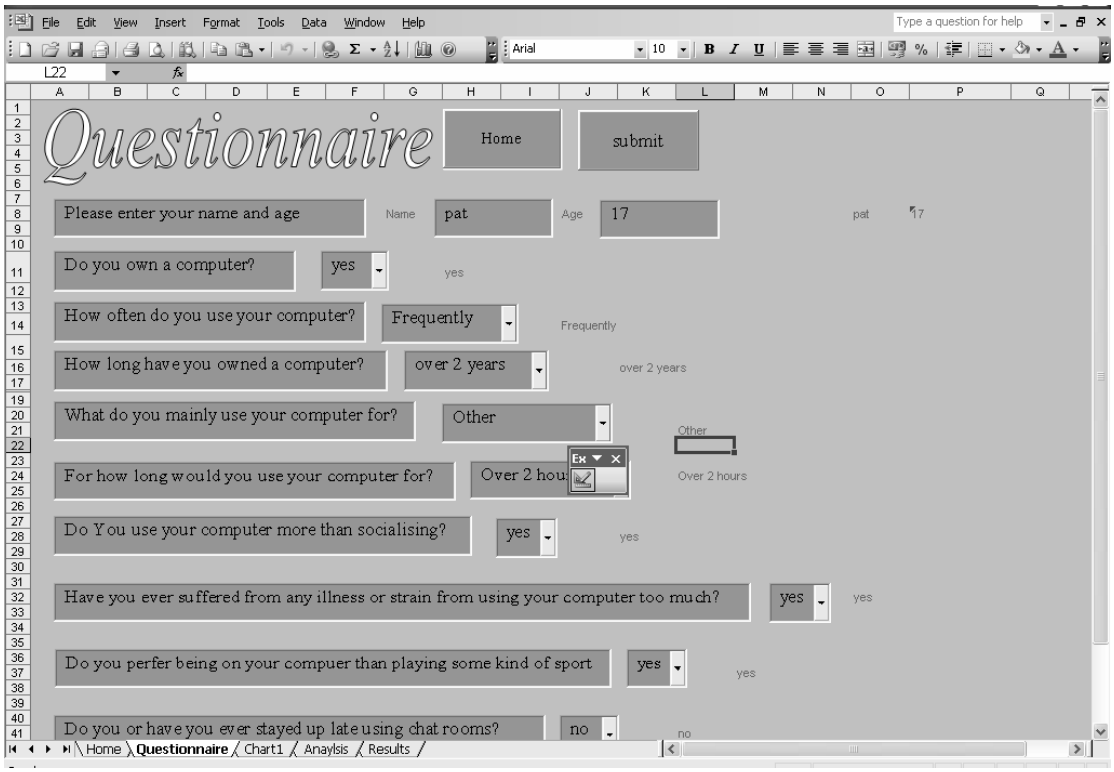


The validation method I have used is to restrict the answers to ones that are relevant to my study, this then can reduce errors and make my study easier to summarise.

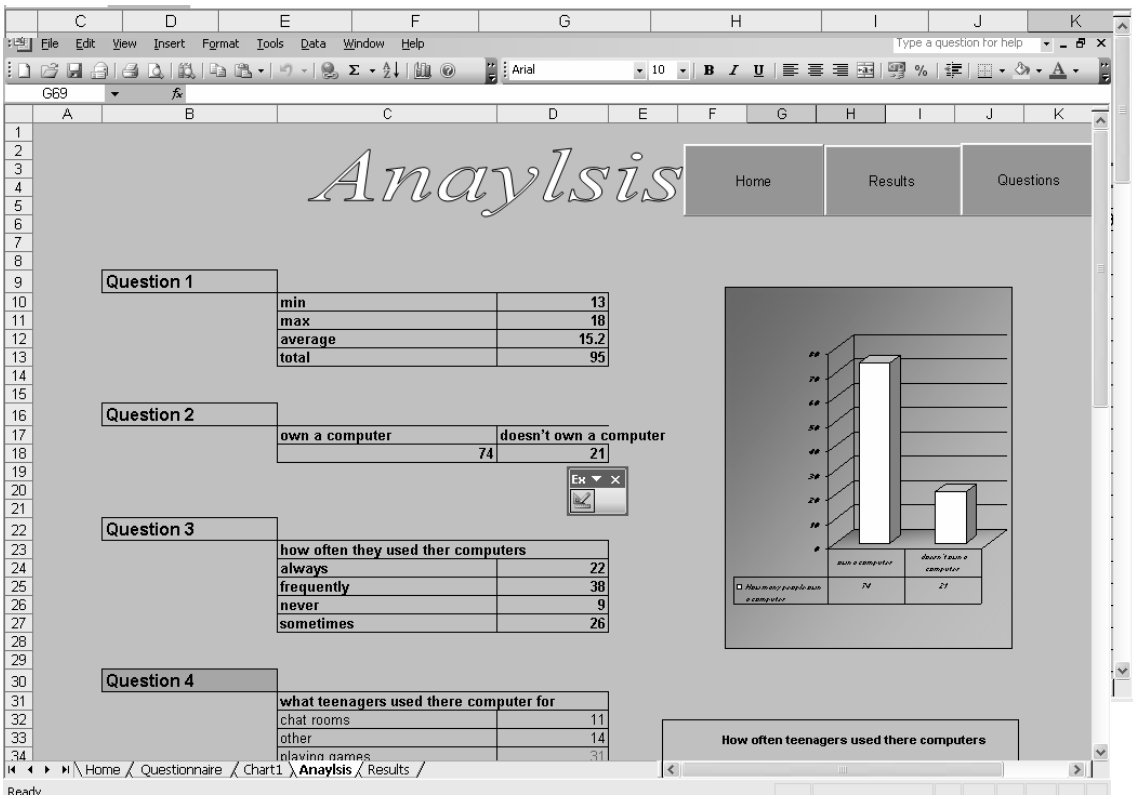
D7 Apply some appropriate titles, labels and formatting.



This is my home page and is labelled Home.

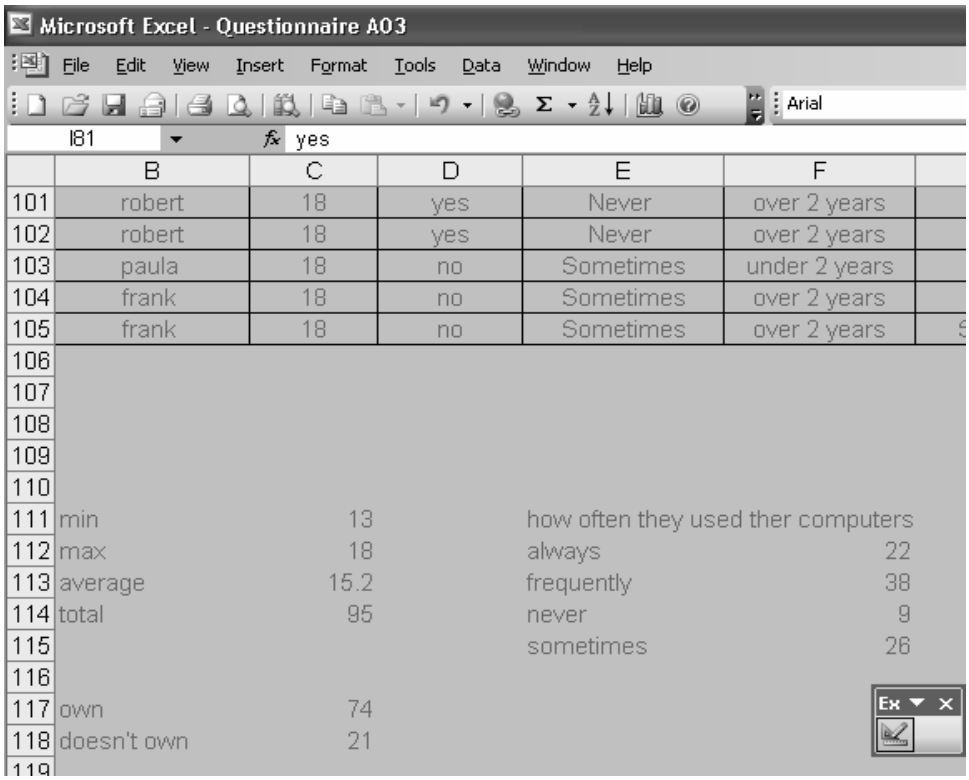


This is my Questionnaire page labelled Quistionaire

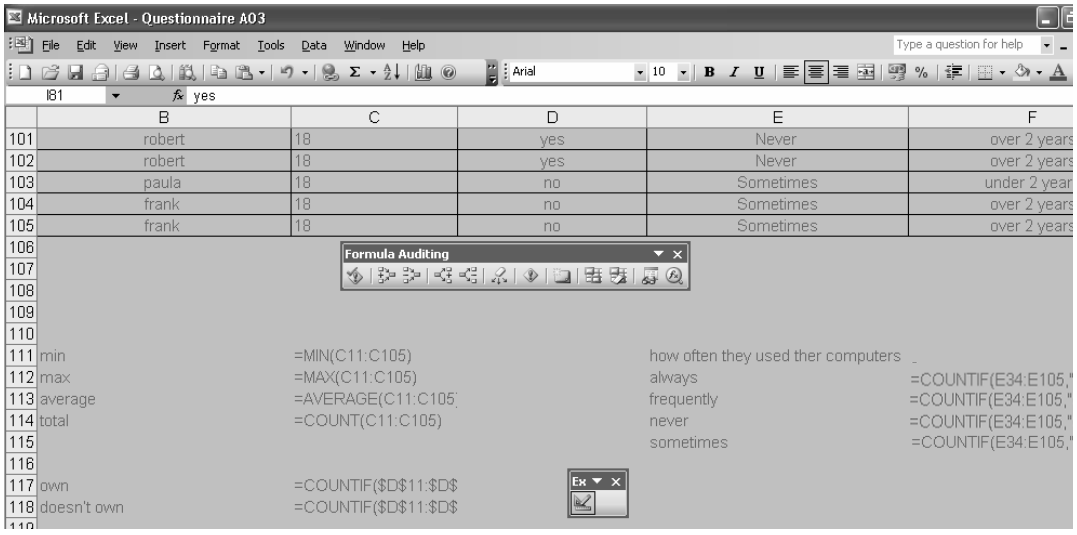


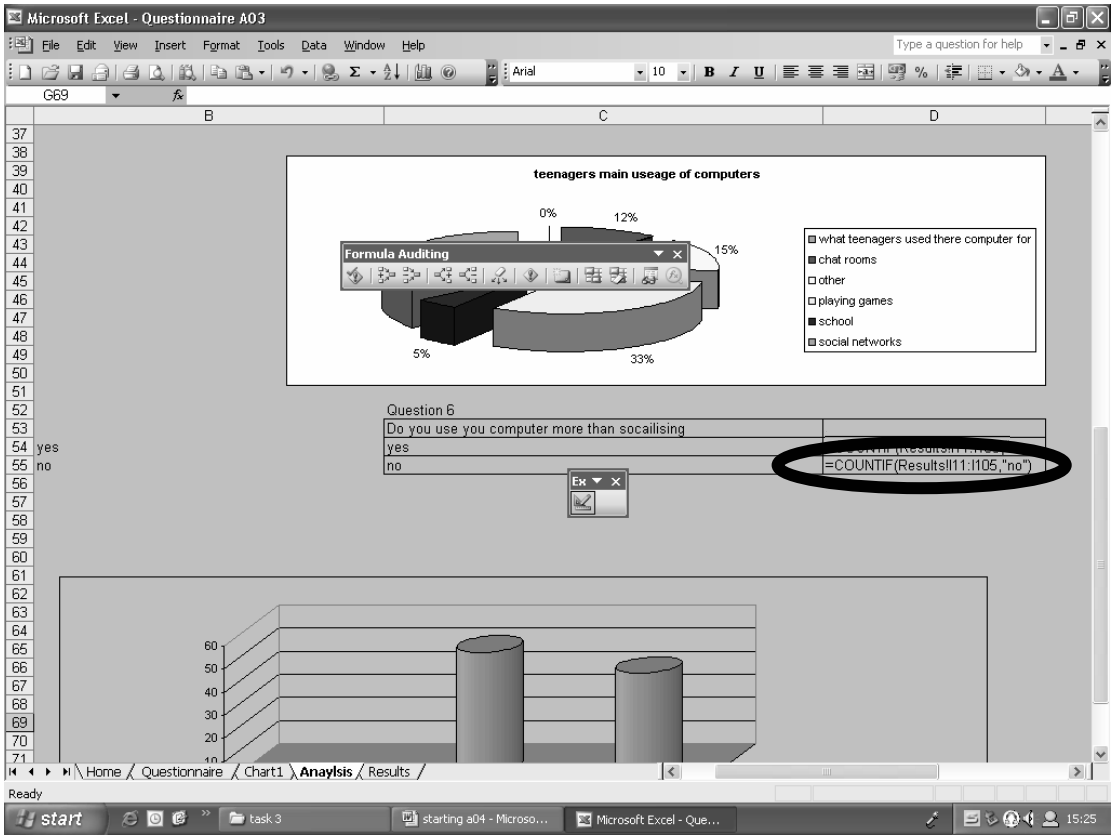
This is my Anaylsis page labelled Anaylsis.

D10 use of some appropriate functions



This shows I have created formulas to show things like:
How many people I questioned = 95
The min age = 13
The max age = 18



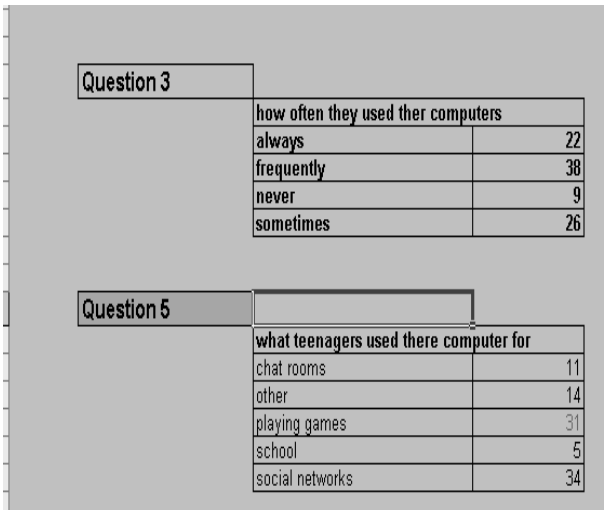


Here is other questions were I have used COUNT IF to reduce errors.

D13 Test Plan

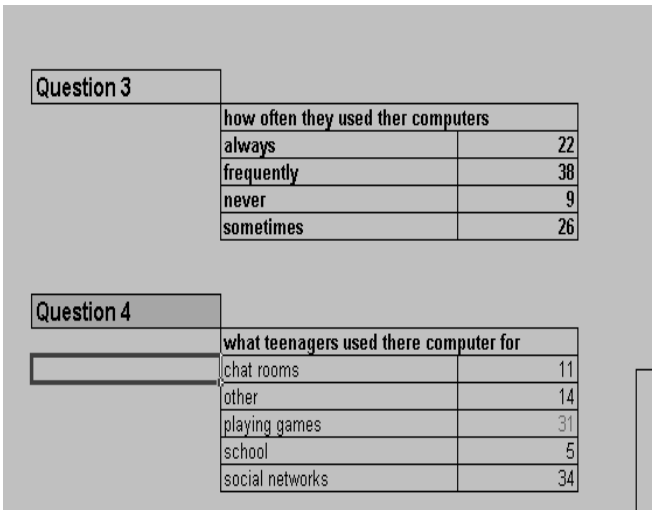
Test number	test	How to test	What happened	Problem fixed
1	Test to see submit button works	Open spreadsheet, enabled macros to medium and then click on the submit button in the questions sheet.	Data gets sent to the results sheet where the table automatically updates with the new results	No the button worked fine.
2.	Test to see my Reset button works	Open up the spread sheet, enable the macros to medium then click on the reset button in the question sheet.	Data got reset on the questionnaire sheet, for new results to get submitted.	No the Button worked fine
3.	Test to see that data get updated after results have been imported.	After some data was submitted, I checked that it had been updated in the results table.	The Results got updated in the results table on the results page.	Worked fine.
4.	Test to see that all the macros worked. To navigate around the pages.	All macros should work after clicking them to navigate around the sheet.	My macros I recorded to the page buttons worked and took me to the correct location when clicked.	Worked Fine.
5.	Test to see that my password worked when opening up the spread sheet	Open up the spread sheet and then insert the password for the spread sheet to open.	The spread sheet opened when I inserted my password.	None taken.

Test number	test	How to test	What happened	Problem fixed
6.	Test conditional formatting.	Test to see that the conditions that I have applied actually work.	When recorded information it went in to the correct part of the results table.	No Taken
7.	Test titles are correct for each page.	Go onto each page and see if the titles match each page.	Each title matched the correct page.	No Taken
8.	Test whether questions on my Quistionaire page have the correct type of answers to match the questions.	Look at each question and check that the answers match the questions.	Each question had a suitable answer.	None taken
9.	Test to see my analysis is correct.	Have a look at questions that have been analysised	Some questions I analysised had the wrong title for example question 4 was called question 5.	I had to rename the question title.
10.				



Question 3	
how often they used ther computers	
always	22
frequently	38
never	9
sometimes	26

Question 5	
what teenagers used there computer for	
chat rooms	11
other	14
playing games	31
school	5
social networks	34



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sometimes	26

Question 4	
what teenagers used there computer for	
chat rooms	11
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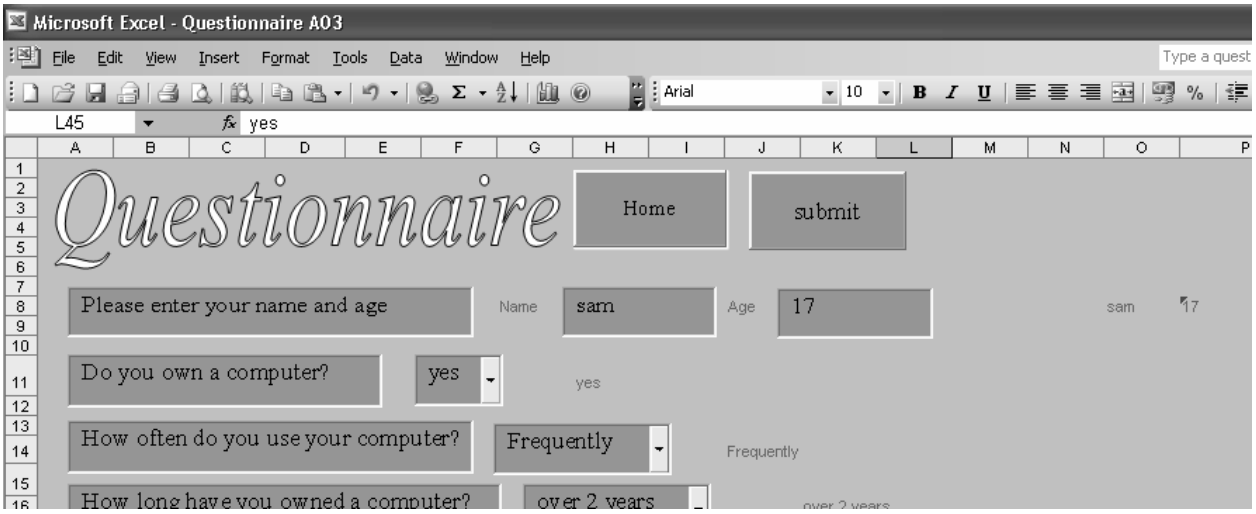
playing games	31
school	5
social networks	34

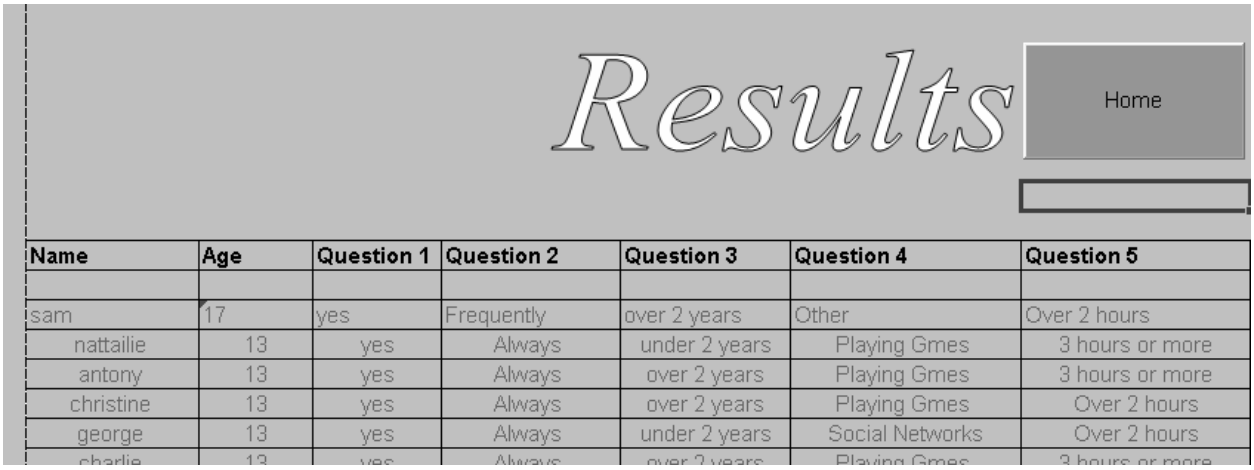
I renamed the question title so I didn't get confused when analysing my data.

As you can see I have entered some new information, which is Sam and it has been updated in my results sheet automatically by pressing the submit button.



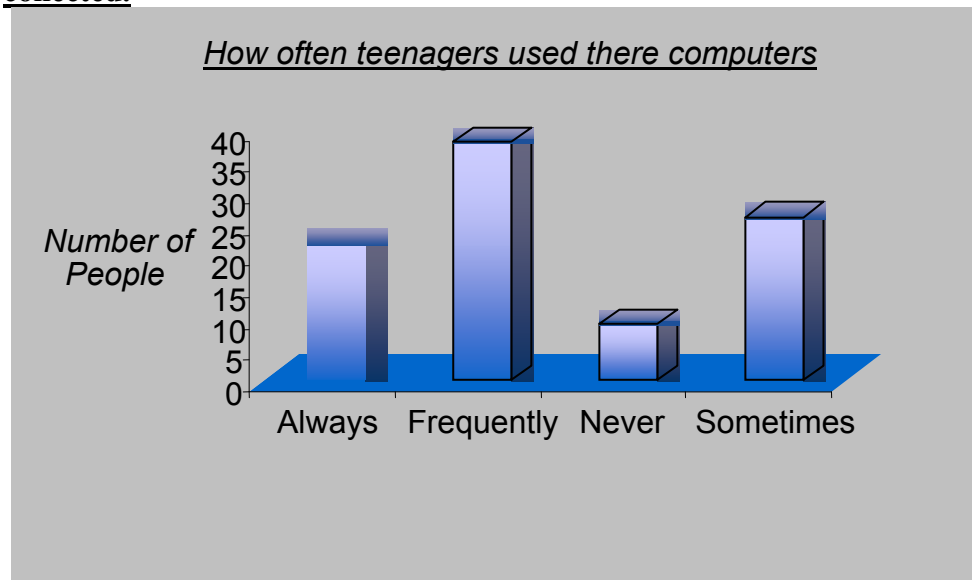
This is where I am submitting new information to test the submit button and see were the information goes.

Here is where the new information has been imputed, the submit button worked.



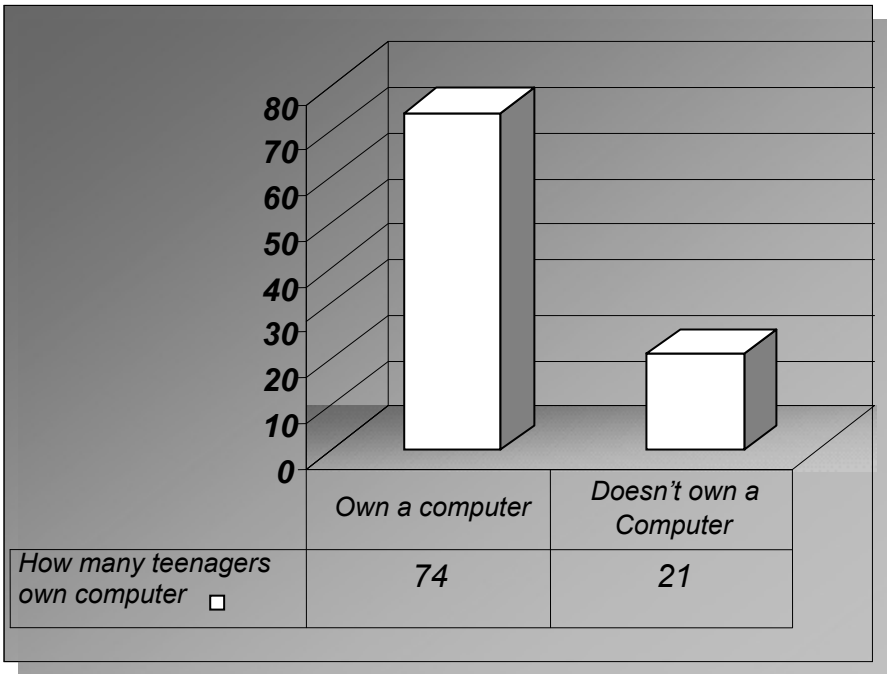
Name	Age	Question 1	Question 2	Question 3	Question 4	Question 5
sam	17	yes	Frequently	over 2 years	Other	Over 2 hours
nattailie	13	yes	Always	under 2 years	Playing Gmes	3 hours or more
antony	13	yes	Always	over 2 years	Playing Gmes	3 hours or more
christine	13	yes	Always	over 2 years	Playing Gmes	Over 2 hours
george	13	yes	Always	under 2 years	Social Networks	Over 2 hours
charlie	13	yes	Always	over 2 years	Playing Gmes	3 hours or more

E1 A chart that is relevant to my analysis and appropriate to the data being collected.



This graph shows how often that the teenager used their computers, the teenagers who always used there computer may find themselves as being addicted. In my hypothesis I predicted that high number of teenagers always use their computer and find them self addicted. 25 teenagers out of 95 said they always use their computer this is lower than what was predicted in my hypothesis as I thought more than half would always use there computers. My results show that teenagers do use there computers frequently, but in my hypothesis I predicted that the majority of teenagers use computers all the time, but this is not the case as the majority of teenagers use computer frequently.

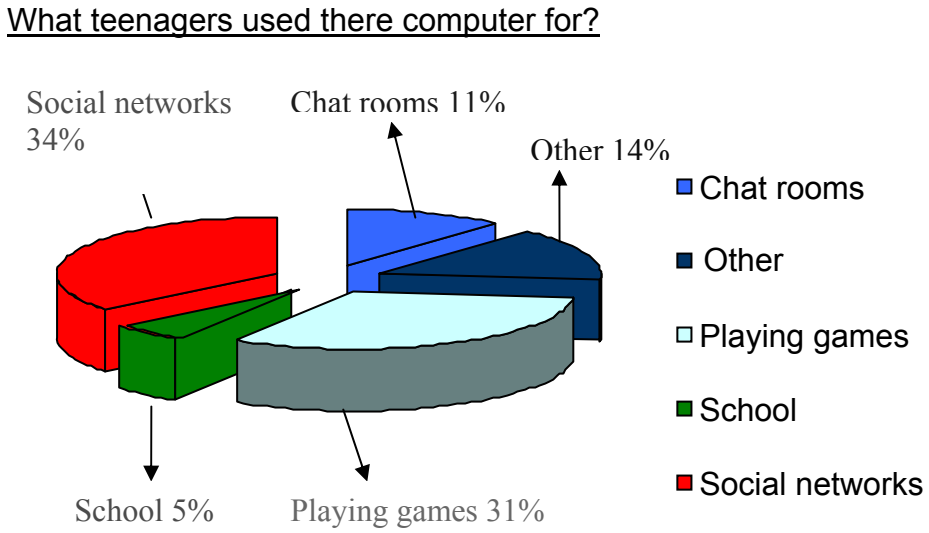
E2 two charts that is relevant to my analysis and appropriate to the data being collected.



This chart shows how many teenagers own a computer and doesn't own a computer by doing this in a bar graph I can briefly see some results that have been taken. The reason why I chose a column chart is that it shows a large figure visually .This data has been taken due to my hypothesis being that teenagers are becoming addicted to computers so I wanted to see the total people who owned and didn't own a computer. The information I found was that 74 teenagers owned a computer out of 95; this is a high total as only 21 teenagers don't own a computer out of 95. The data has been presented into a graph to have a more understanding of the results.

These results help me prove my hypothesis as more teenagers own a computer this is in my hypothesis. The more teenagers who own a computer then there is a more chance of them then becoming addicted to using it. This is suggested in my hypothesis.

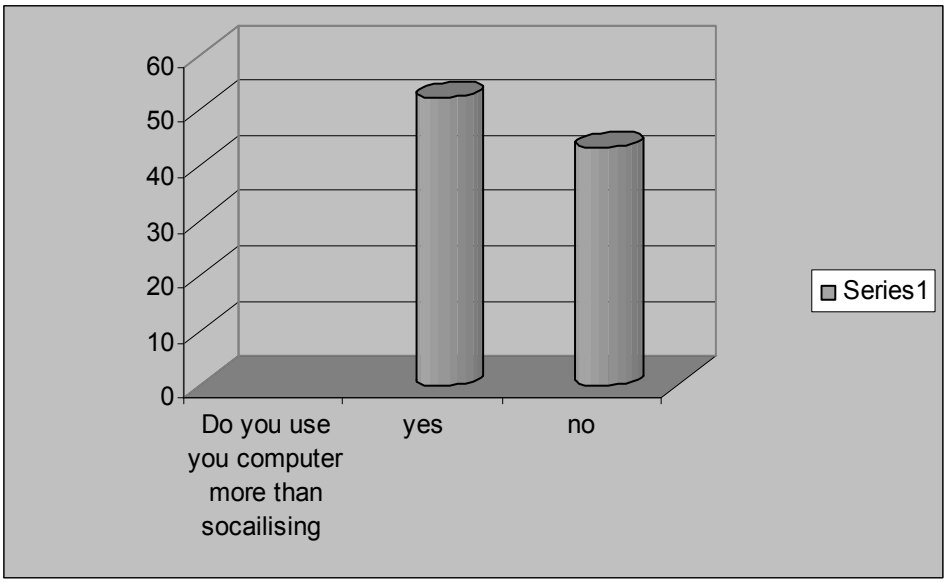
E4 Three charts that is relevant to my analysis and appropriate to the data being collected.



In My hypothesis I predicted that teenagers would use their computer mainly for social networks and chat rooms, the above chart represents the things that teenagers use there computers for, the most popular source of what teenager use are social networks, the reason why I chosen this graph is that is shows a clear percentage of what is most popular used. The chart ilistrates that teenagers spend the least amount of time doing school work on the computer.

These results help me prove my hypothesis as I predicted that teenagers would spend more time on social networks, 34 teenagers out of 95 spent most time on their computer using social networks, teenagers playing games on there computer was closely followed as 31 teenagers preferred playing games, I didn't think that this would come into the equation to being the most popular. The use of chartrooms wasn't as popular as social networks, in my hypothesis I said that these would be linked together for what the teenagers used their computers for the most but it was mainly used for social networks.

Chart that is relevant to my analysis and appropriate to the data being collected.



I choose this chart as it would show a clear understanding of what amount of teenagers said yes and no. This graph shows that Teenagers use there computer more than socialising as 60% of Teenagers said yes to using there computer more. The 40% of Teenagers that said no may still use there computer frequently but tend to socialise more.

My Response rate

I got 95 questionnaires filled in properly out of a 100 questionnaires which was my target response rate, but 95% was a pretty good response rate. The female response rate was higher than the male response.

	Male	Female	Total
Total sample	40	55	95

The place I conducted my questionnaire was in west midlands as I couldn't travel around England or the world this is then not a true reflexion of teenagers so it was just based on just teenagers from the west midlands, but I found out that people's views and usage of the internet could change daily like the weather.

Min	**13**
Max	**18**
Average	**15.2**
Total	**95**

Out of the total number of people in my survey the average age of the teenagers was 15.2.

Teenagers who own a computer	Teenagers who don't own a computer
74	21

There was a higher rate of Teenagers who owned a computer than Teenagers who don't own a computer. I said this in my hypothesis; this was where I was proven in my hypothesis.

How often they used their computers?	
Always	22
Frequently	38
Never	9
Sometimes	26

38% of Teenagers Frequently used their computers, this is what I thought in my hypothesis so this is part of my hypothesis where it was proven, 9% of teenagers said that they never used their computers this is part of the majority of Teenagers who don't own a computer their for don't use the internet of computers.

What teenagers used there computer for?	
Chat rooms	11
Other	14
Playing games	31
School	5
Social networks	34

- Social networks were the most used source on the Teenagers computers.
- Teenagers spent least time on doing their school work on their computers.

The Reason why Teenagers spend most time on social networks is because they are free to sign up and the teenagers like to chat to their friends some teenagers I questioned said that they would spend all night on social networks even on a school night. The most popular social networks teenagers use are Myspace and Facebook.

Do Teenagers use their computer more than socialising?

Yes = 52 No = 43

- ❖ Teenagers who answered yes are saying that they spend more time on their computers than with friends out in the environment.
- ❖ Teenagers who answered No did spend time on their computer but socialise more with friends in their environment.

Time spent on computers	
1 hours or fewer	13
over 2 hours	40
3 hours or more	42

- Teenagers who spend 1 hour or fewer on their computers are not addicted to their computer as they don't spend much time on their computers.
- Teenagers who spend over 2 hours but not over 3 hours are not yet addicted.
- Teenagers who spend over 3 hours on their computer have an addiction as this is a long period of time to spend on their computer.

Have you ever suffered from any illness or strain from spending too much time on your computer?

Yes	No
36	59

Computer illness are things like RSI which is repetitive strain injury which can happen in your hand from typing too much or on your back from sitting down to long at a computer. There was a higher rate of people who haven't had a illness or strain, this is part the teenagers who isn't addicted to computers.

Do you prefer being on your computer rather than playing some kind of sport?

Yes	No
38	57

Teenagers who answered yes on this question may not like being active or playing any sport as this may be the Teenagers who find them self's addicted to their computers so don't enjoy doing anything else apart from being on their computers. There was a higher rate of teenagers who preferred playing some kind of sport and the ones who preferred being on a computer and the internet.

Do you or have you ever stayed up late using chat rooms	
Yes	No
25	70

Chat rooms can be free to use on the internet to chat to fellow teens, but most of these would find them self's using Messenger which is downloaded of the internet and also free to use, Teenager can also use social network websites too chat as they have this option.

There was a much higher rate of teenagers who don't use chat rooms. 25 teenagers who did stay up late may have been part of the majority who said they suffered from illness or strain in a previous question, as they would be on their computer for a long period of time.

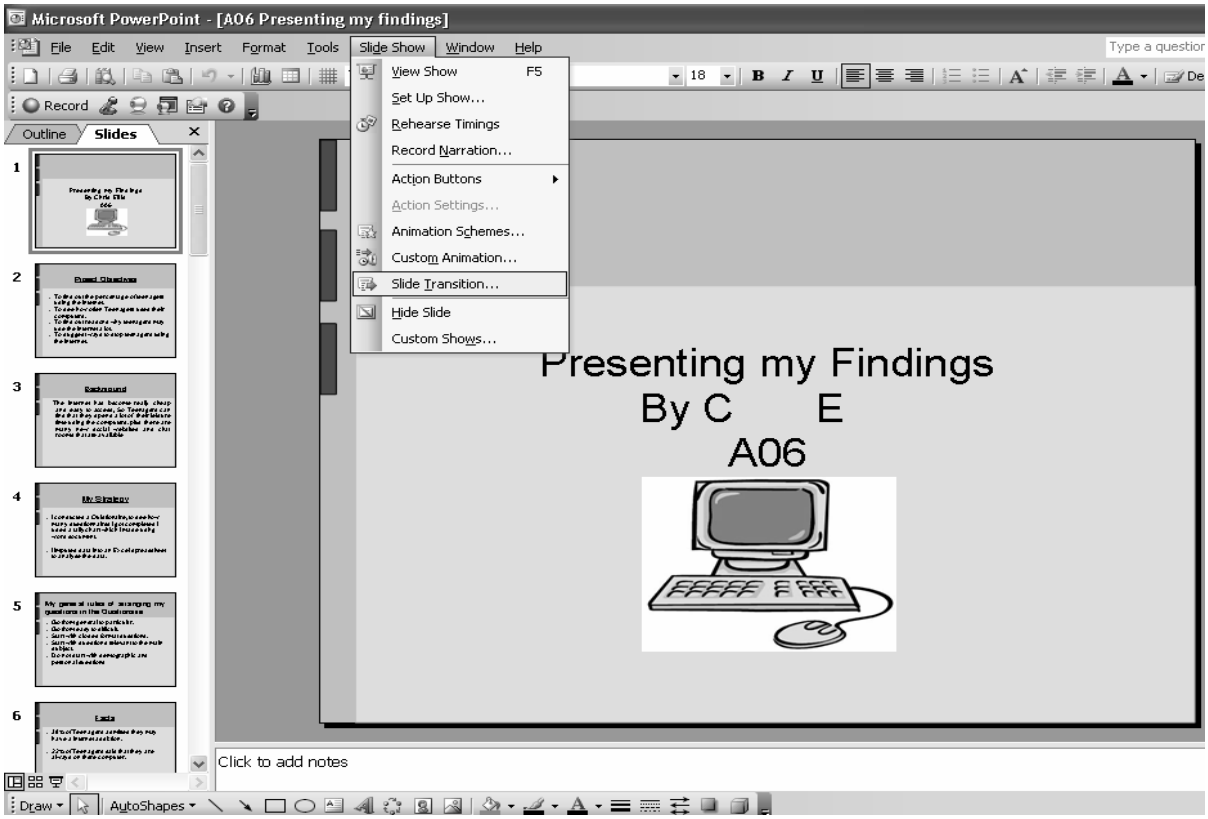
Do you find you're self being addicted to your computer	
Yes	**No**
38	57

There was a higher rate of Teenagers who didn't find them self's addicted. Just over 3rd of the teenagers I surveyed was addicted to their computers.

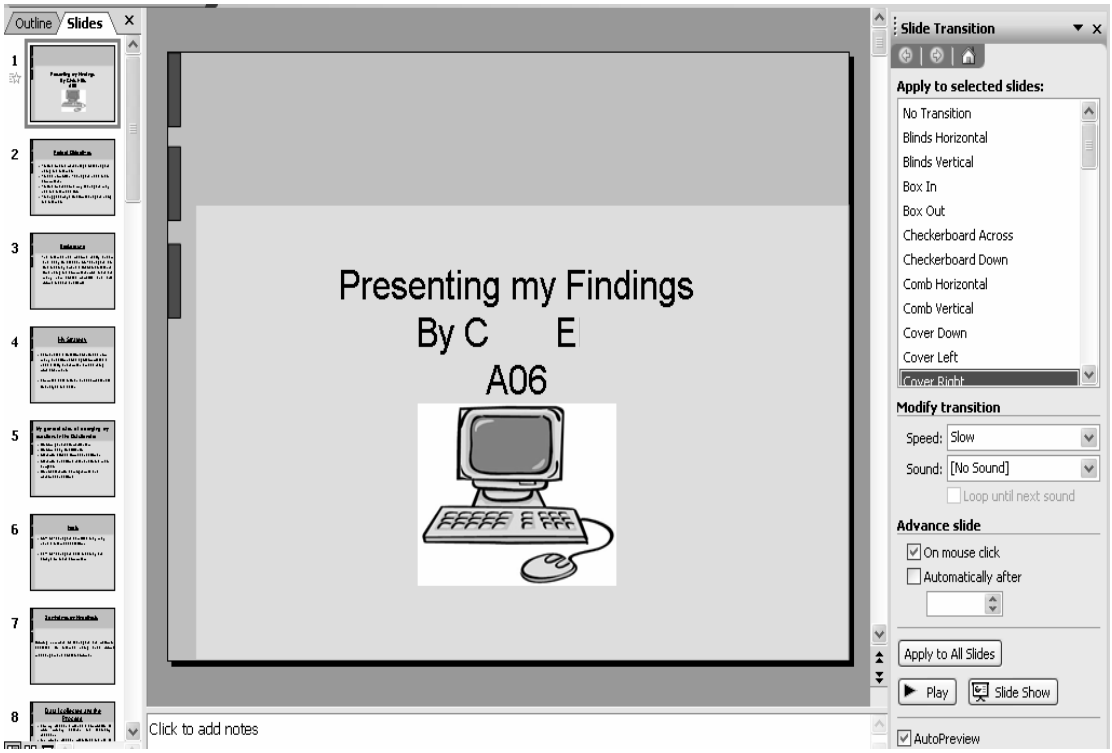
	Criteria	Results	Proven or Not?
Hypothesis	Are Teenagers becoming addicted to their computers and using the internet.	Neely a half of Teenagers I surveyed admitted they had some sort of addiction to their computer,	Proven
Criteria 1	Do most teenagers own a computer	Out of 95 Teenagers 74 of them owned a computer.	Proven
Criteria 2	Teenagers who own a computer are always using it.	Teenagers are not always on their computer as 38 out the 95 teenagers are only Frequently on it. Only 22 teenagers said that they always used their computer	Disproved
Criteria 3	Teenagers mostly use their internet to go on Social networks.	34 Teenagers out of the 95 surveyed said they mostly use social networks, the 2nd most popular was playing games with 31 of the teenagers.	Proven
Criteria 4	Teenagers would spend over 3 hours on their computers using the internet or playing games.	42 Teenagers out of the 95 teenagers I surveyed were on their computer for longer than 3 hours each time they used their computer. Their was a low percentage of teenagers who are on their computer for less than an hour.	Proven
Criteria 5	A lot of Teenagers who have suffered from a illness or strain using their computer too much	59 Teenagers out of the 95 Teenagers said they had never suffered an illness or strain using their computer.	Disproved

Criteria 6	A lot of Teenagers spend all night using chat rooms.	70 of the 95 Teenagers survey said they never stay up late using chat room. Only 25 of them	Disproved

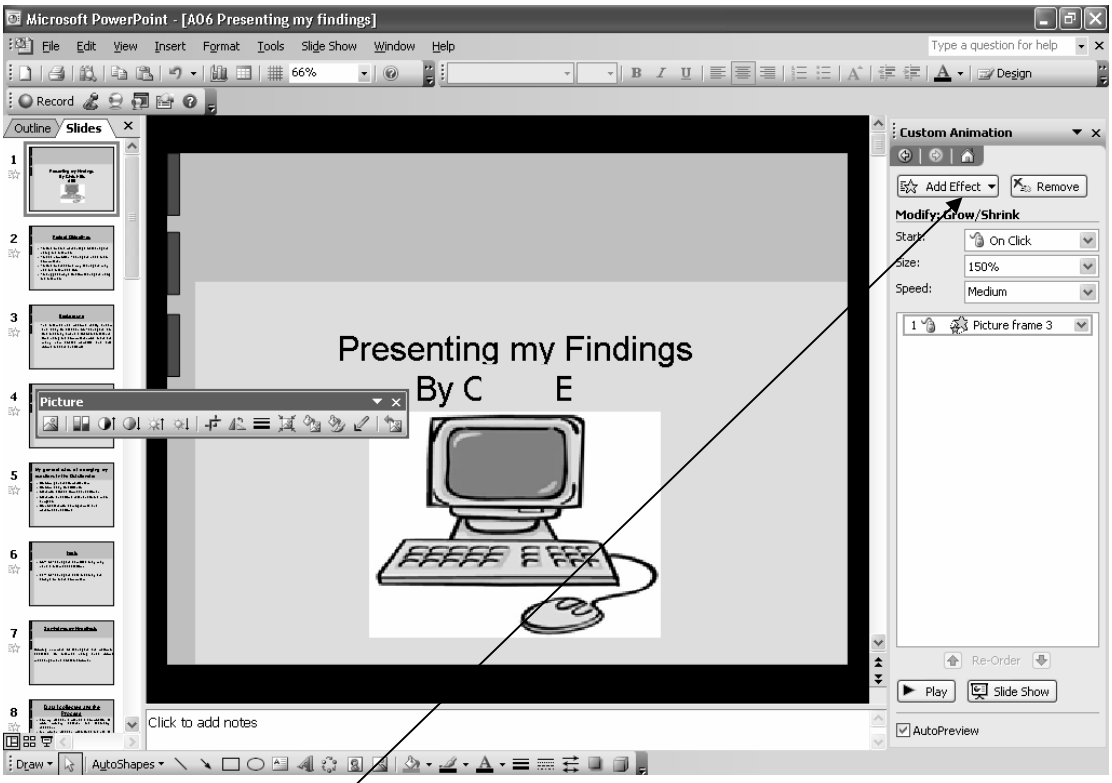
F4 Presentation Techniques that I used



I am going to add a slide transition to all my slides. I am also going to add custom animation to some images in my presentation.



The slide transition I have chosen is cover from the right slow, I added this to all my slides so they all look consistent.



I have also added custom animation to my opening page; the animation is for the computer picture, it now has a zoom in effect.

Presenting my Findings
By C E
A06

Project Objectives

- To find out the percentage of teenagers using the internet.
- To see how often Teenagers used their computers.
- To find out reasons why teenagers may use the internet a lot.
- To suggest ways to stop teenagers using the internet.

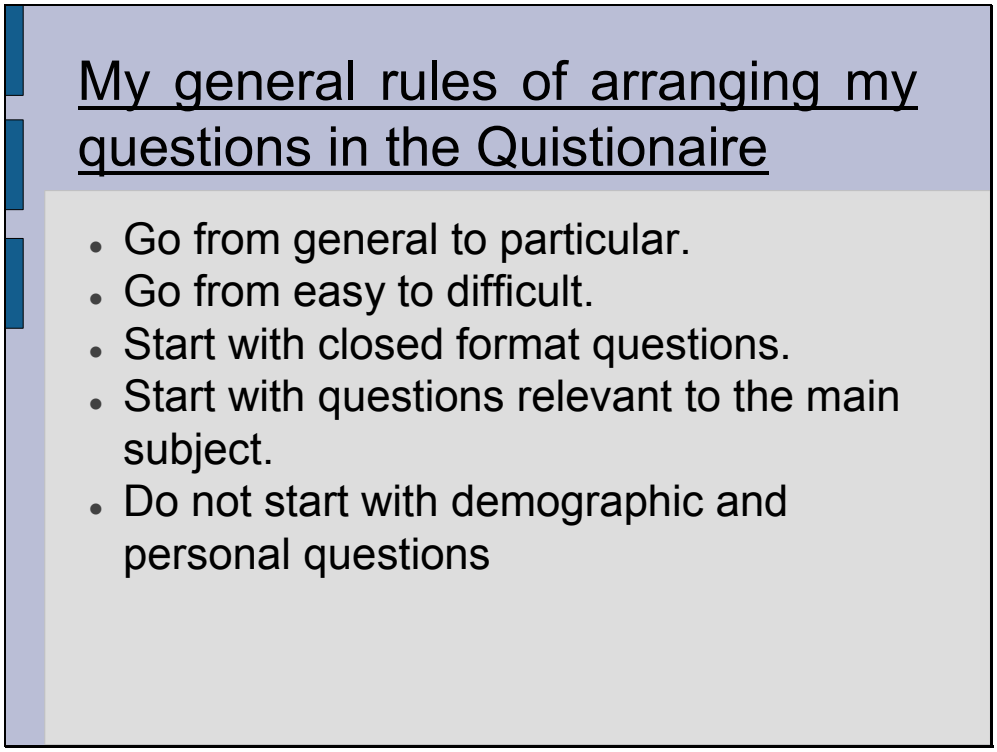
Background

The Internet has become really cheap and easy to access, So Teenagers can find that they spend a lot of their leisure time using the computers. plus there are many new social websites and chat rooms that are available

My Strategy

- I conducted a Quistionaire, to see how many questionnaires I got completed I used a tally chart which I made using word document.
- I imputed data into an Excel spreadsheet to analyse the data.

I conducted a 100 questionnaires to local school children with the questionings based on weather they was addicted to their computer. After gathering this information I imputed the results into an Excel spreadsheet to use formulas and functions to Analyse my data. I also used charts and graphs.



The first thing I did to create my questionnaire was look for my objective which was teenagers becoming addicted to there computer and mainly the internet.

This is my introduction to my questionnaire
"Hi my name is C E and I am doing some research on whether teenagers are becoming addicted to using the internet"

This is my Ending
"Thank you for doing my questionnaire"

Facts

- 38% of Teenagers admitted they may have a internet addiction.
- 22% of Teenagers said that they are always on there computer.

So what was my Hypothesis

Growing numbers of teenagers are becoming addicted to Internet using chat rooms, messenger, and social networks.

Data I collected and the Process

- For my research I will use a combination of both primary research and secondary research.
- My primary research will include the use of questionnaires
- In Secondary research I will collect information to help me understand the background of the problem; this will include using the use of newspapers, magazines, statistics and the Internet.

Market Research is a collection of information or data so that you can understand better about the market place. Firms marketing department needs to know about the economic treads as well as consumer's views. All this information can be part of a marketing plan; this will meet your own needs as well as the consumers.

Criteria

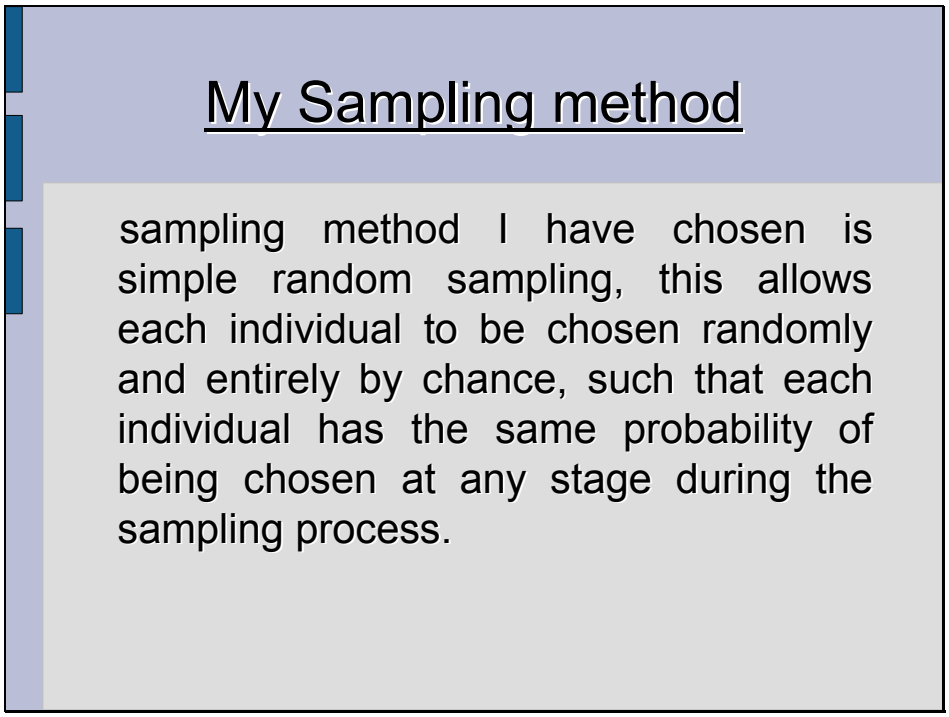
- Teenagers spend too much time using the internet.
- There is a high Teenage obese rate which internet addiction could be causing.

How did i test my Hypothesis

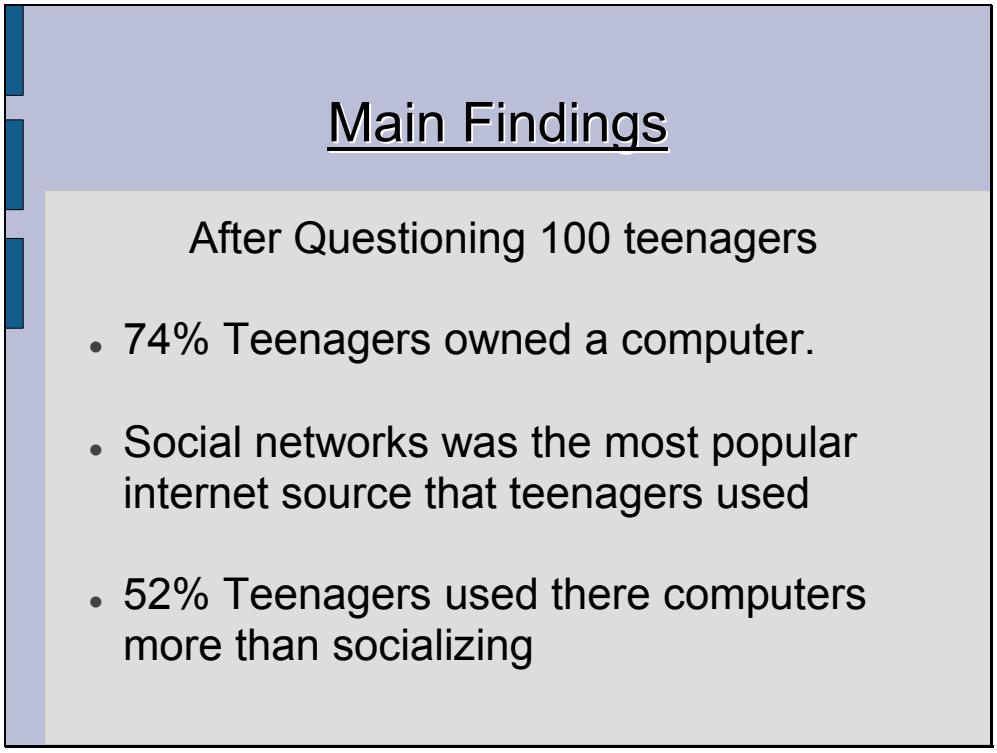
After gathering a 100 teenagers i had some results to show and, the questions on my questionnaire was about there usage of the internet. for Example 1 Question was “How often do you use your computer in a day" i also had an online Questionnaire which was created in Excel. I also used Excel to analysis my results by using graphs and charts.

Methodology

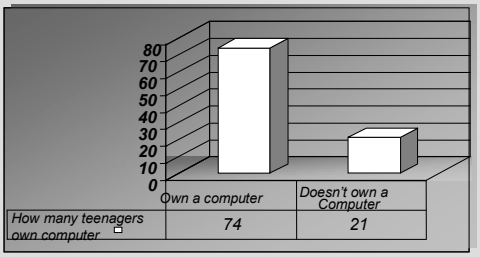
- I collected my data by having questioners, i questioned a 100 teenagers, then imputed the results manually into an Excel spreadsheet to summaries the data using logical functions.



My sampling size is going to be around 100 because the time does not allow me to get the information as it is just me doing the questions singe handed. For me to get the best results I need a wide Varity of them so a 100 is my number to have completed questionnaires; this also means that have will have more information to work with. The more answers I get the more my analysis will be more accurate.

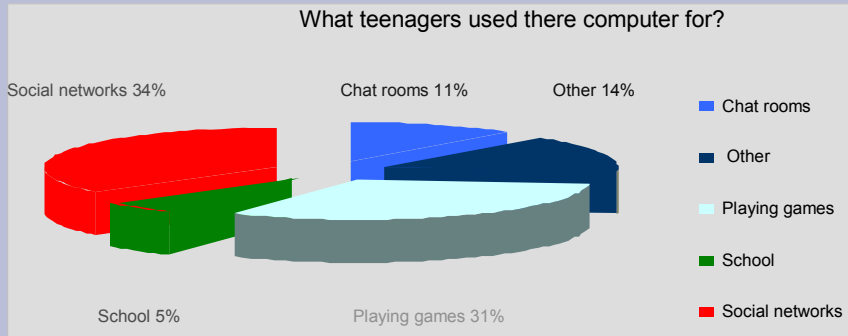


Using a survey to test my hypothesis



The information I found was that 74 teenagers owned a computer out of 95; this is a high total as only 21 teenagers don't own a computer out of 95. The data has been presented into a graph to have a more understanding of the results. These results help me prove my hypothesis as more teenagers own a computer this is in my hypothesis. The more teenagers who own a computer then there is a more chance of them then becoming addicted to using it. This is suggested in my hypothesis.

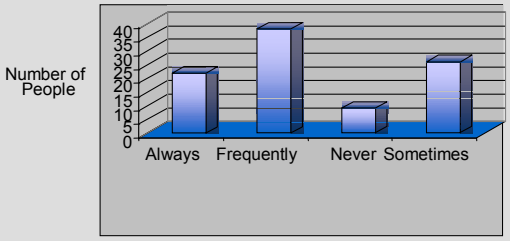
Using a survey to test my hypothesis



34 teenagers out of 95 spent most time on there computer using social networks, teenagers playing games on there computer was closely followed as 31 teenagers preferred playing games, I didn't think that this would come into the equation to being the most popular.

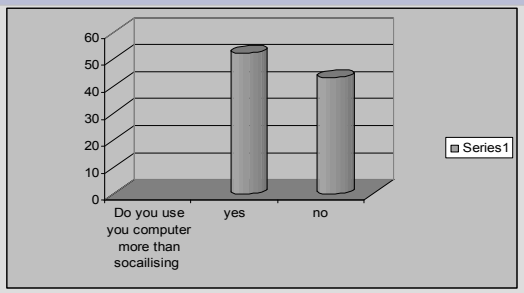
Using a survey to test my hypothesis

How often teenagers used there computers



This graph shows how often that the teenager used their computers, the teenagers who always used there computer may find themselves as being addicted. 25 teenagers out of 95 said they always use there computer this is lower than what was predicted in my hypothesis as I thought more than half would always use there computers. My results show that teenagers do use there computers frequently

Using a survey to test my hypothesis



This graph shows that teenagers use their computers more than socializing, the results show that 60% do use computers and 40% socialize more.

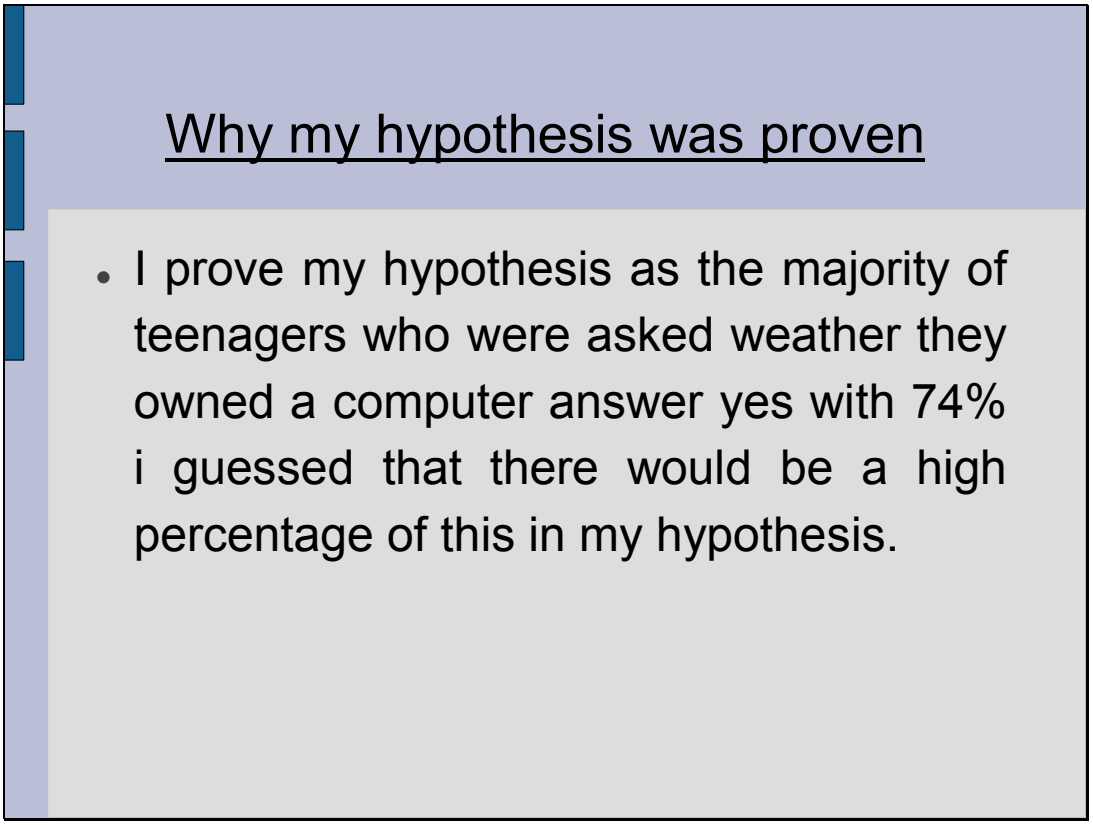
Possible ways to help prevent internet addiction

- Take part or join in on some indoor activities or outdoor activities to release stress from the environment rather than going on a computer.
- Limit the time you spend on your computer, by day or by a week.

On this slide I am showing ways that can reduce the amount of time that teenagers spend on there computers which result in them getting addicted, so i have suggested other things they can do such as take part in some sort of activities.

What Teenagers use There computer for

chat rooms	11
other	14
playing games	31
school	5
social networks	34



To prove my or disprove my hypothesis I am going to gather information on what teenagers use the Internet for and how often they use the Internet. I am going to find out this information from the use of questionnaires, using closed and multiple-choice questions, this will make sure I get the information I won't to get.

Why my hypothesis was disproven

- I was disproved in my hypothesis as i predicted the outcome would be that out of the teenagers i quistioned their would be a high % of tennagers saying that they used their computers always. but after i gathered my results, teenagers mostly said that they only used their computers frequently.

To prove my or disprove my hypothesis I am going to gather information on what teenagers use the Internet for and how often they use the Internet. I am going to find out this information from the use of questionnaires, using closed and multiple-choice questions, this will make sure I get the information I won't to get.

Mistakes that i made

- The mistake i made in my study was that i wasn't meant to asked for peoples names which i did and have recorded there is no way i can rectifier this as the names are now recorded in my results. It was not necessary for me to take peoples names.

Was my hypothesis overall proven

My hypothesis was overall proven to be correct as out of the teenagers who owned a computer over 3rd of them admitted to be addicted.