

This questionnaire is about sport played by you in the last month **Ref 1**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____
 over 65 _____ **Y**

3. Did you play sport? _____ **NO**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 3**

1. Sex _____ **F**

2. Age: Under 16 _____ **Y**
 16-24 _____
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **YES**

4. Which sports did you participate in?
 _____ **gym**
 _____ **swimming**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____ **Y**
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**

7. Why do you play sport?
 _____ **to improve**
 _____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 2**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **NO**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 4**

1. Sex _____ **F**

2. Age: Under 16 _____ **Y**
 16-24 _____
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **YES**

4. Which sports did you participate in?
 _____ **gym**
 _____ **swimming**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____ **Y**
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**

7. Why do you play sport?
 _____ **to improve**
 _____ **because friends do**



This questionnaire is about sport played by you in the last month **Ref 5**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **football**
 _____ **swimming**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____ **Y**
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**

7. Why do you play sport?
 _____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 7**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____
 over 65 _____ **Y**

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 6**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 8**

1. Sex _____ **M**

2. Age: Under 16 _____ **Y**
 16-24 _____
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **football**
 _____ **cricket**
 _____ **athletics**
 _____ **swimming**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**

6. Compared to last year, I now play
 less sport _____
 more sport _____ **Y**
 same amount _____

7. Why do you play sport?
 _____ **to improve**
 _____ **because friends do**
 _____ **to win**



This questionnaire is about sport played by you in the last month **Ref 9**

1. Sex _____ **M**
2. Age: Under 16 _____
16-24 _____
25-65 _____ **Y**
over 65 _____
3. Did you play sport? _____ **Yes**
4. Which sports did you participate in?
_____ **squash**

5. On average how much time do you play sport each week?
less than 1 hour _____
1-2 hours _____ **Y**
2-3 hours _____
3-4 hours _____
more than 4 hours _____
6. Compared to last year, I now play
less sport _____ **Y**
more sport _____
same amount _____
7. Why do you play sport?
_____ **to win**
_____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 11**

1. Sex _____ **F**
2. Age: Under 16 _____
16-24 _____ **Y**
25-65 _____
over 65 _____
3. Did you play sport? _____ **No**
4. Which sports did you participate in?

5. On average how much time do you play sport each week?
less than 1 hour _____
1-2 hours _____
2-3 hours _____
3-4 hours _____
more than 4 hours _____
6. Compared to last year, I now play
less sport _____
more sport _____
same amount _____
7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 10**

1. Sex _____ **M**
2. Age: Under 16 _____ **Y**
16-24 _____
25-65 _____
over 65 _____
3. Did you play sport? _____ **No**
4. Which sports did you participate in?

5. On average how much time do you play sport each week?
less than 1 hour _____
1-2 hours _____
2-3 hours _____
3-4 hours _____
more than 4 hours _____
6. Compared to last year, I now play
less sport _____
more sport _____
same amount _____
7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 12**

1. Sex _____ **F**
2. Age: Under 16 _____
16-24 _____ **Y**
25-65 _____
over 65 _____
3. Did you play sport? _____ **Yes**
4. Which sports did you participate in?
_____ keep fit
_____ badminton

5. On average how much time do you play sport each week?
less than 1 hour _____
1-2 hours _____
2-3 hours _____
3-4 hours _____ **Y**
more than 4 hours _____
6. Compared to last year, I now play
less sport _____ **Y**
more sport _____
same amount _____
7. Why do you play sport?
_____ to keep fit
_____ because friends do



This questionnaire is about sport played by you in the last month Ref 13

1. Sex _____ **F**
2. Age: Under 16 _____
 16-24 _____
 25-65 _____
 over 65 _____ **Y**
3. Did you play sport? _____ **No**
4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____
6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____
7. Why do you play sport?

This questionnaire is about sport played by you in the last month Ref 15

1. Sex _____ **M**
2. Age: Under 16 _____ **Y**
 16-24 _____
 25-65 _____
 over 65 _____
3. Did you play sport? _____ **Yes**
4. Which sports did you participate in?
 _____ **fishing**
 _____ **football**
 _____ **swimming**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**
6. Compared to last year, I now play
 less sport _____ **Y**
 more sport _____
 same amount _____
7. Why do you play sport?

This questionnaire is about sport played by you in the last month Ref 14

1. Sex _____ **M**
2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____
3. Did you play sport? _____ **Yes**
4. Which sports did you participate in?
 _____ **football**
 _____ **squash**
 _____ **swimming**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____ **Y**
 more than 4 hours _____
6. Compared to last year, I now play
 less sport _____ **Y**
 more sport _____
 same amount _____
7. Why do you play sport?
 _____ **to improve**
 _____ **to win**
 _____ **because friends do**

This questionnaire is about sport played by you in the last month Ref 16

1. Sex _____ **F**
2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____
3. Did you play sport? _____ **Yes**
4. Which sports did you participate in?
 _____ **keep fit**
 _____ **swimming**
 _____ **badminton**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**
6. Compared to last year, I now play
 less sport _____
 more sport _____ **Y**
 same amount _____
7. Why do you play sport?
 _____ **something to do, to win,**
 _____ **because friends do,**
 _____ **sports centre nearby**



This questionnaire is about sport played by you in the last month **Ref 17**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 19**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **swimming**
 _____ **darts**
 _____ **snooker**
 _____ **badminton**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**

6. Compared to last year, I now play
 less sport _____ **Y**
 more sport _____
 same amount _____

7. Why do you play sport?
 _____ **something to do**
 _____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 18**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **fishing**
 _____ **darts**
 _____ **snooker**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**

7. Why do you play sport?
 _____ **something to do**
 _____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 20**

1. Sex _____ **F**

2. Age: Under 16 _____ **Y**
 16-24 _____
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **athletics**
 _____ **gymnastics**
 _____ **swimming**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**

6. Compared to last year, I now play
 less sport _____
 more sport _____ **Y**
 same amount _____

7. Why do you play sport?
 _____ **something to do**
 _____ **because friends do**
 _____ **sports centre nearby**



This questionnaire is about sport played by you in the last month **Ref 21**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____
 over 65 _____ **Y**

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 23**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **keep fit**
 _____ **swimming**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____ **Y**
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____ **Y**
 same amount _____

7. Why do you play sport?
 _____ **to keep fit**
 _____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 22**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____
 over 65 _____ **Y**

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **badminton**
 _____ **bowls**
 _____ **walking**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**

7. Why do you play sport?
 _____ **to keep fit**
 _____ **something to do**
 _____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 24**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **tennis**
 _____ **keep fit**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**

6. Compared to last year, I now play
 less sport _____ **Y**
 more sport _____
 same amount _____

7. Why do you play sport?
 _____ **to keep fit**



This questionnaire is about sport played by you in the last month **Ref 25**

1. Sex _____ **F**
2. Age: Under 16 _____
16-24 _____
25-65 _____ **Y**
over 65 _____
3. Did you play sport? _____ **Yes**
4. Which sports did you participate in?
_____ **tennis**
_____ **keep fit**

5. On average how much time do you play sport each week?
less than 1 hour _____
1-2 hours _____ **Y**
2-3 hours _____
3-4 hours _____
more than 4 hours _____
6. Compared to last year, I now play
less sport _____
more sport _____
same amount _____ **Y**
7. Why do you play sport?
_____ **to keep fit**

This questionnaire is about sport played by you in the last month **Ref 27**

1. Sex _____ **M**
2. Age: Under 16 _____
16-24 _____
25-65 _____ **Y**
over 65 _____
3. Did you play sport? _____ **No**
4. Which sports did you participate in?

5. On average how much time do you play sport each week?
less than 1 hour _____
1-2 hours _____
2-3 hours _____
3-4 hours _____
more than 4 hours _____
6. Compared to last year, I now play
less sport _____
more sport _____
same amount _____
7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 26**

1. Sex _____ **F**
2. Age: Under 16 _____
16-24 _____
25-65 _____
over 65 _____ **Y**
3. Did you play sport? _____ **No**
4. Which sports did you participate in?

5. On average how much time do you play sport each week?
less than 1 hour _____
1-2 hours _____
2-3 hours _____
3-4 hours _____
more than 4 hours _____
6. Compared to last year, I now play
less sport _____
more sport _____
same amount _____
7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 28**

1. Sex _____ **F**
2. Age: Under 16 _____
16-24 _____ **Y**
25-65 _____
over 65 _____
3. Did you play sport? _____ **Yes**
4. Which sports did you participate in?
_____ **athletics**
_____ **squash**
_____ **swimming**

5. On average how much time do you play sport each week?
less than 1 hour _____
1-2 hours _____
2-3 hours _____
3-4 hours _____
more than 4 hours _____ **Y**
6. Compared to last year, I now play
less sport _____ **Y**
more sport _____
same amount _____
7. Why do you play sport?
_____ **to keep fit**
_____ **to win**



This questionnaire is about sport played by you in the last month **Ref 29**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 31**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **badminton**
 _____ **walking**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____ **Y**
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____ **Y**
 same amount _____

7. Why do you play sport?
 _____ **to keep fit**
 _____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 30**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **keep fit**

5. On average how much time do you play sport each week?
 less than 1 hour _____ **Y**
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____ **Y**
 more sport _____
 same amount _____

7. Why do you play sport?
 _____ **to keep fit**

This questionnaire is about sport played by you in the last month **Ref 32**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?



This questionnaire is about sport played by you in the last month **Ref 33**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **badminton**

5. On average how much time do you play sport each week?
 less than 1 hour _____ **Y**
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____ **Y**
 same amount _____

7. Why do you play sport?
 _____ **to win**

This questionnaire is about sport played by you in the last month **Ref 35**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **sailing**
 _____ **badminton**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**

7. Why do you play sport?
 _____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 34**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 36**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **badminton**

5. On average how much time do you play sport each week?
 less than 1 hour _____ **Y**
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____ **Y**
 same amount _____

7. Why do you play sport?
 _____ **to keep fit**



This questionnaire is about sport played by you in the last month **Ref 37**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____
 over 65 _____ **Y**

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 39**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **darts**
 _____ **billiards**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**

7. Why do you play sport?
 _____ **something to do**
 _____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 38**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **football**
 _____ **cricket**
 _____ **billiards**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**

6. Compared to last year, I now play
 less sport _____
 more sport _____ **Y**
 same amount _____

7. Why do you play sport?
 _____ **to improve**
 _____ **to win**
 _____ **dad runs team**

This questionnaire is about sport played by you in the last month **Ref 40**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?



This questionnaire is about sport played by you in the last month **Ref 41**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 43**

1. Sex _____ **M**

2. Age: Under 16 _____ **Y**
 16-24 _____
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **fishing**
 _____ **darts**
 _____ **snooker**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**

6. Compared to last year, I now play
 less sport _____
 more sport _____ **Y**
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 42**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____
 over 65 _____ **Y**

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **fishing**
 _____ **walking**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____ **Y**

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**

7. Why do you play sport?
 _____ **always have**

This questionnaire is about sport played by you in the last month **Ref 44**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?



This questionnaire is about sport played by you in the last month **Ref 45**

1. Sex _____ **F**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____
 over 65 _____ **Y**

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 47**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **football**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____ **Y**
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**

7. Why do you play sport?
 _____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 46**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____
 25-65 _____ **Y**
 over 65 _____

3. Did you play sport? _____ **No**

4. Which sports did you participate in?

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____

7. Why do you play sport?

This questionnaire is about sport played by you in the last month **Ref 48**

1. Sex _____ **M**

2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____

3. Did you play sport? _____ **Yes**

4. Which sports did you participate in?
 _____ **football**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____ **Y**
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____

6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**

7. Why do you play sport?
 _____ **because friends do**



This questionnaire is about sport played by you in the last month **Ref 49**

1. Sex _____ **M**
2. Age: Under 16 _____
 16-24 _____ **Y**
 25-65 _____
 over 65 _____
3. Did you play sport? _____ **Yes**
4. Which sports did you participate in?
 _____ **football**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____ **Y**
 2-3 hours _____
 3-4 hours _____
 more than 4 hours _____
6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**
7. Why do you play sport?
 _____ **because friends do**

This questionnaire is about sport played by you in the last month **Ref 50**

1. Sex _____ **F**
2. Age: Under 16 _____ **Y**
 16-24 _____
 25-65 _____
 over 65 _____
3. Did you play sport? _____ **Yes**
4. Which sports did you participate in?
 _____ **gymnastics**
 _____ **swimming**

5. On average how much time do you play sport each week?
 less than 1 hour _____
 1-2 hours _____
 2-3 hours _____
 3-4 hours _____ **Y**
 more than 4 hours _____
6. Compared to last year, I now play
 less sport _____
 more sport _____
 same amount _____ **Y**
7. Why do you play sport?
 _____ **because friends do**
 _____ **to improve**
 _____ **something to do**



Sports questionnaire responses – teacher notes

We have provided a set of 50 responses to a simple questionnaire, to use in introducing and practising basic statistical techniques. They are available:

- (a) in questionnaire form in the Sports Responses Word or pdf file: they can be printed out and photocopied, then cut up to use in paper or (better) laminated form;
- (b) as an Excel spreadsheet, Sports Responses.xls.

We highly recommend doing some or all of the introductory work (including the ‘summarise’ exercises) using the ‘raw’ questionnaire data. It gives students a feel for what the techniques mean; is quite manageable (especially if done in pairs); but also helps them appreciate the point of using a spreadsheet.

Some short exercises give practice in particular techniques.

I. Summarise	<i>count responses</i> display in tables draw bar charts
II. Generalise	<i>look at the spread of responses</i> do percentages draw component bar charts draw pie charts do averages
III. Compare	<i>contrast the responses of subgroups, e.g. men and women</i> comparison bar charts (raw figures, percentages) cross tables (raw figures, percentages)

We recommend working through most or all of these using the raw data from the questionnaires.

The spreadsheet is only partially completed: it contains the reference numbers and responses to the questions about sex, age and whether they play sport.

This is so students can decide (for themselves or through guided class discussion) how to code and enter different variables which do not come in simple numerical form.

It is helpful to ask students to duplicate some exercises, using the raw data and the spreadsheet, and see if they get the same answers.



I. Summarise

The first thing to do with your results is to *summarise* them.

Count how many people give a particular response to each question.

When you report the answer, always say how many people you asked.

Fill in the following table:

Compared to last year I now play		
	response	frequency
less		
more		
same		
do not play sport		
number in sample		

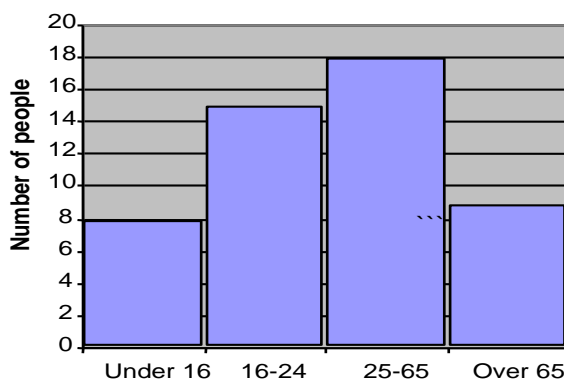
Other frequency tables can show, for example,

how many play a given sport

how long people play sport on average.

You can draw a simple bar chart to illustrate your results. The example below shows the ages of respondents in your data set.

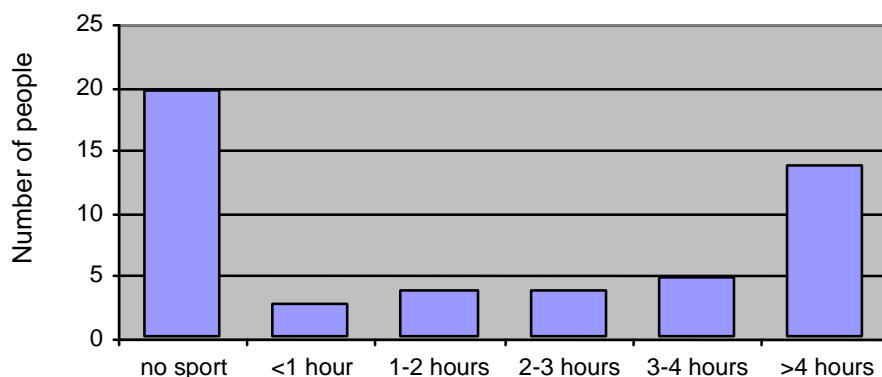
How old are you?



number in sample: 50



How much sport do you play?



II. Generalise

You need to be able to describe the spread of different answers among the people you asked. You can use this to predict how a larger number of people might answer, so that you can make a decision.

Example 98 out of 100 10 year olds said they liked ice cream

suggests that

almost all 10 year olds like ice cream.

Discussion point:

What would make you more or less confident about generalising from this information about '98 out of 100' 10 year olds?

Ways of showing the distribution of answers include:

1. Percentages

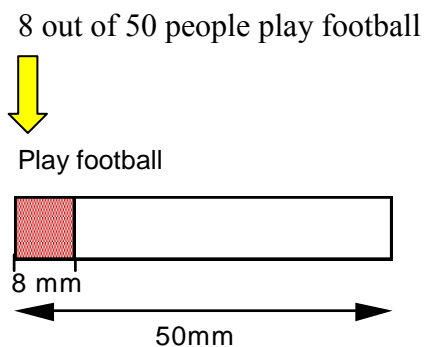
30 out of 50 people said they played sport



60% of people asked said they played sport



2. **Component bar charts**



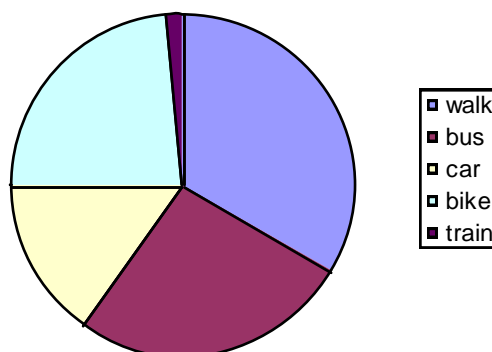
3. **Pie charts**

These show the whole sample (all the people you asked) split up into categories.

Practise pie charts

How did you come to school this morning?

This example uses data on school journeys.



Which of these statements is true?

- a) Two thirds of the sample walked to school.
- b) A quarter of the pupils asked came by bus.
- c) Only 10 people came by train.
- d) About a sixth came to school by car.
- e) More than half the sample took some exercise on the way to school.

Remember

40 out of 60 is shown by

$$\frac{40}{60} \times 360^\circ$$

$$= 240^\circ \text{ of the pie}$$

Using the 50 sports responses:

Q.3: Did you play sport last month?	Yes	30
	No	20
Q.5: If yes, on average how much time do you spend on sport each week?	Under 2 hours	8
	2-4 hours	8
	over 4 hours	14

Draw two pie charts from this data.

The first should show the thirty responses to question 5.

The second chart should include those people who didn't play sport last month; i.e. it will have 4 categories.

Which chart best answers the question: how much time each week do people spend playing sport?

Which other parts of the sports questionnaire might you want to use to make a pie chart?

Danger points in pie charts

You need to be very clear exactly what a pie chart is showing. For example, if you show 'sports played' in a pie chart, how would you label it?

Make a pie chart for the first ten responses. How could you use and generalise from it?

Can you use it to see how 'sporting' people are?

4. Average

Where each response is a number, you can work out an average. This may be the most popular answer (mode), the middle value (median), or the mean.



Practise averages

Remember

Mean: Add up all the values and divide by the number of responses. Check: is there an extreme value? Is the mean meaningful — i.e. 2.8 people?

Median: Put all the values in size order; choose middle one. Check: is it a better representative than the mean, or not?

Mode: the most common value. Check: is there an obvious mode? Does it represent the results?

Important: A response of 0 is still a response, and must be ‘counted’ for medians and means.

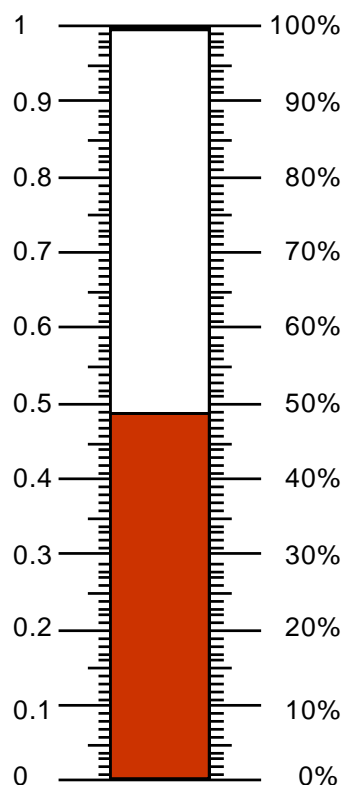
Question: What is the ‘average’ number of sports people play?

The more people you ask, the more you can generalise your results. *But be careful: who does your sample represent?* All people? All 15 year olds? All those kind enough to answer your questionnaire?

Practise percentages

Use the 50 sports responses to answer these questions. Give your answers as decimals first and then as percentages.

- How many people played sports last month? What proportion of the sample was this?
- What proportion of sports players were males?
- What percentage of those swimming are female?
- How many people playing sport are playing to win? What proportion of
 - the sample
 - sports players
 play to win?



Remember

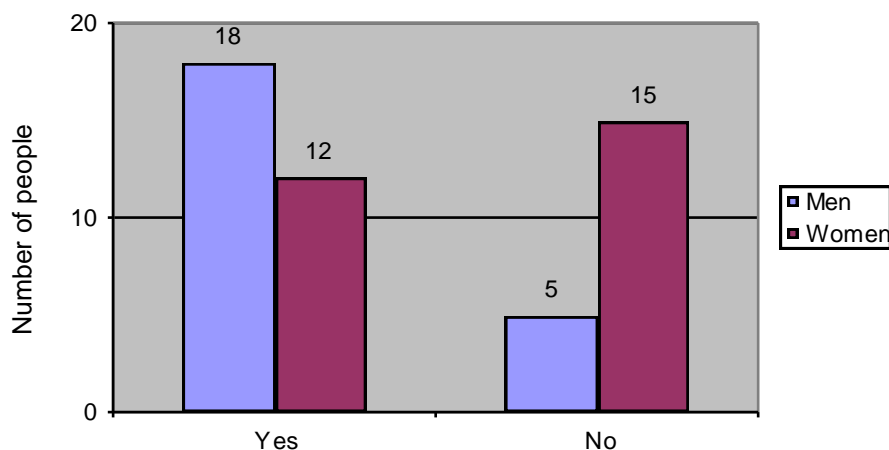
22 out of 45 is $22 \div 45$
 which is 0.488, almost 0.49
 which is the decimal equivalent of 49%



III. Compare charts

Often it is interesting to compare the answers of different groups of people, for example men and women.

Comparison bar charts



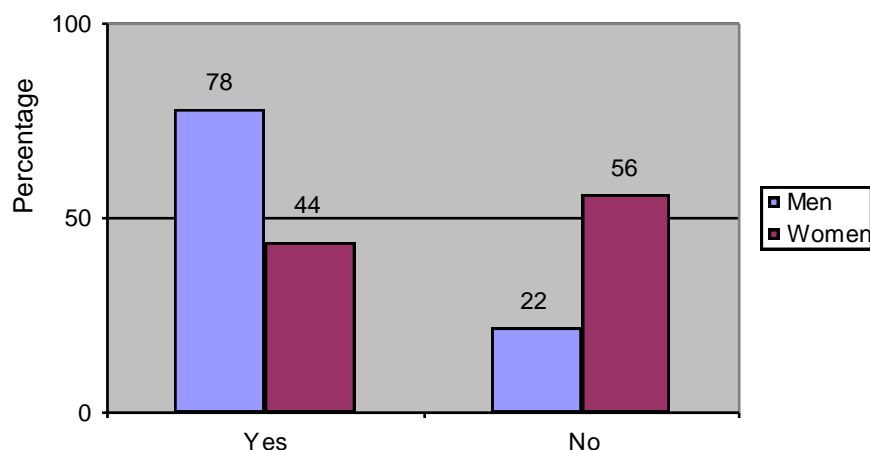
Do you play sport?

This chart shows that more men than women play sport.

But these are 'raw' figures: 23 men and 27 women were asked this question.

So that you can make a fair comparison, you must compare the **percentage of men** playing sport with the **percentage of women** playing sport.

$$\frac{18}{23} = 78\%, \quad \frac{5}{23} = 22\%, \quad \frac{12}{27} = 44\%, \quad \frac{15}{27} = 56\%$$



You can use bar charts to illustrate more complicated analyses.

Task: Using the 50 sports responses, compare the age profile of people playing sport with those not playing sport.

	under 16	16-24	25-64	65+
Played sport	7	11	10	2
Did not play sport	1	4	9	6

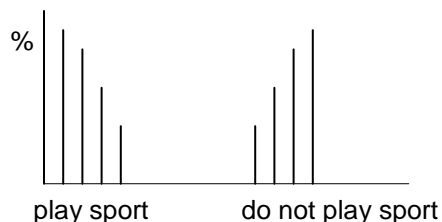
You are asked to compare age groups, but you have different numbers of people in each group. To make a fair comparison, you will have to rewrite the table using percentages. This has been started for you:

	under 16	16-24	25-64	65+
Played sport	88			
Did not play sport	12			

total 100

The groups you are comparing must have 100% each in total. Your chart will show that 88% of under-16s played sport, while only 25% of 65+ year olds did.

Finish the table and draw the chart. It should look something like this.



Write a sentence or two explaining what it shows.

You might have been tempted in the last example to calculate the percentages out of people playing sport, and people not playing sport:

	under 16	16-24	25-64	65+	
Played sport	23	37	33	7	total 100
Did not play sport	5	20	45	30	total 100

Then your graph would have looked like this:

There is nothing wrong with this, as long as your description matches. In this case 23% of the people playing sport were under 16. But this analysis does not take account of the very different sizes of the age groups.

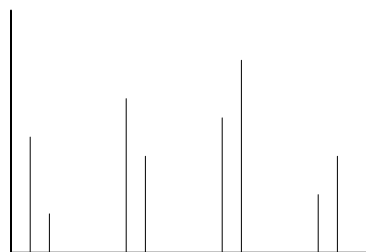


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Be very careful when calculating your percentages. In cross tables, you are comparing two variables, and either of them can be made to add up to 100%. Some cases are obvious, such as 'compare men with women'. Some are not so easy to decide:

For example

	plays musical instrument	
	yes	no
right handed	45	65
left handed	15	12

e.g. 75% of people playing a musical instrument were right handed, while 25% were left handed,
or 41% of right handed people played a musical instrument, but 56% of left handed people did.

Both statements are correct!

Try this one:

	wears glasses	
	yes	no
has freckles	22	35
no freckles	10	30

What percentage of people wearing glasses also have freckles?

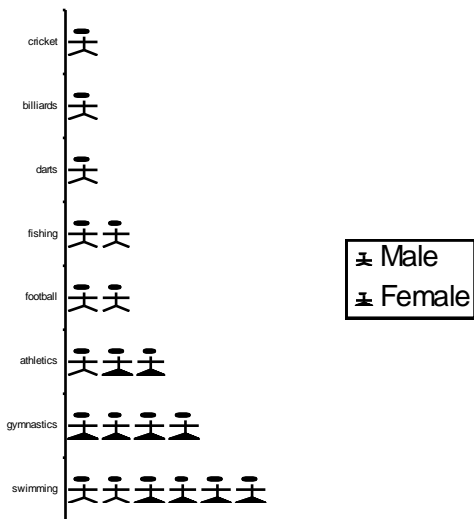
What percentage of people with freckles also wear glasses?

- Whichever way you calculate your percentages, make sure your explanation matches.
- Always give the raw data in a table, before you calculate percentages (but label clearly). As well as avoiding misunderstandings, this shows how big your sample size is. If you only have small numbers, your conclusions cannot be very reliable.



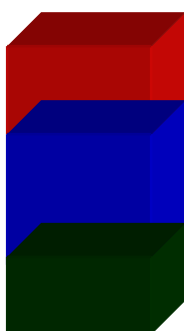
Examples: Sports Questionnaire (for teachers' use)

Sports played by the under-16s



Are all these sports equally healthy?

Of those playing sport, compared to last year...

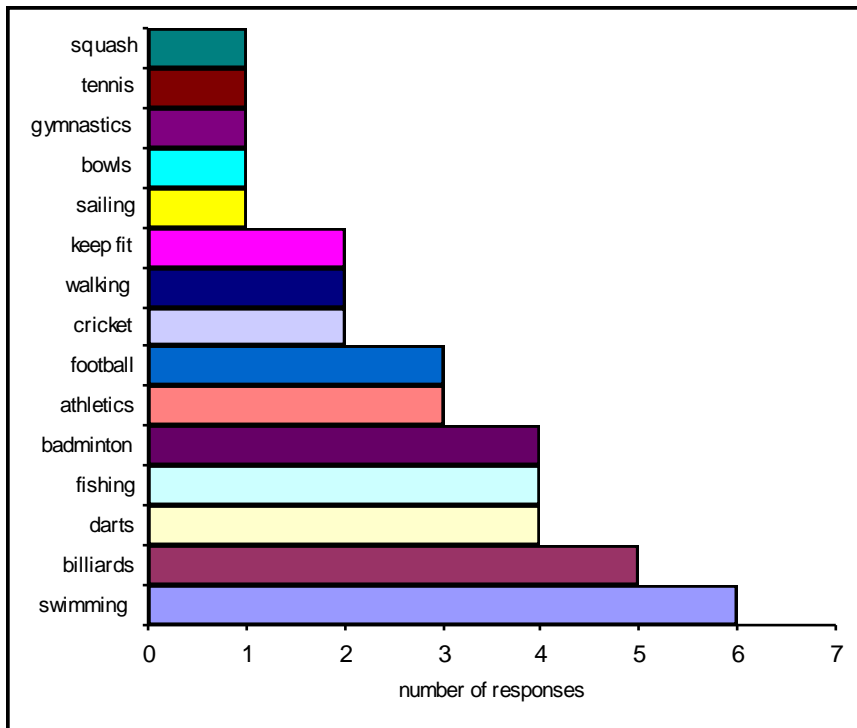


30% play more sport

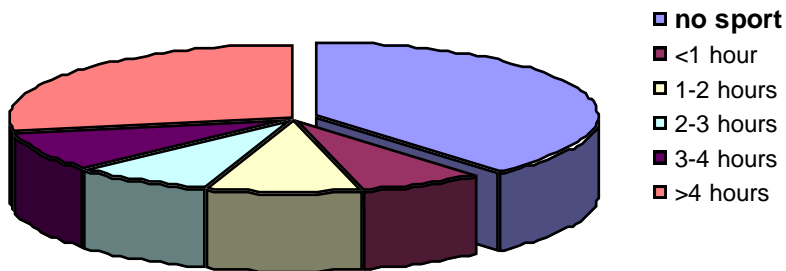
43% play the same amount

27% play less sport

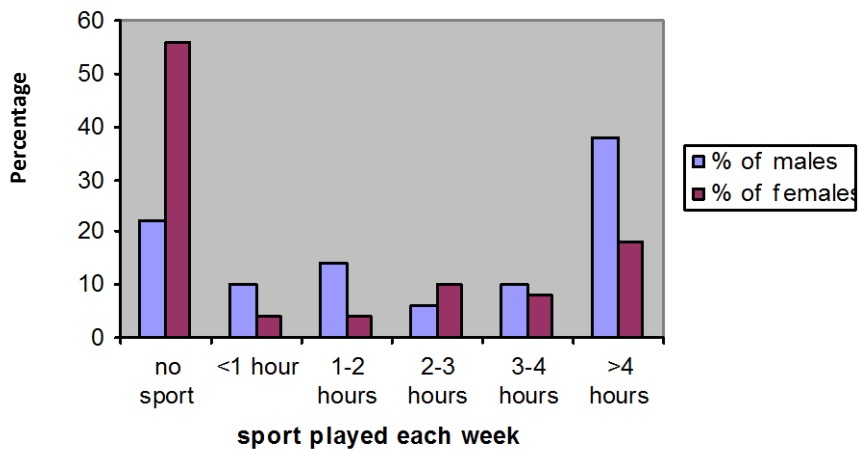
Sports played by those answering “more than 4 hours a week”



Amount of sport played each week



Amount of sport played each week



Why people play sport

