



Data with Gender but no Name

The data for Class C and Class D are overlaid in table 1 and table 2 respectively. These data have very little information but we do know that the **bold** type data on white background are from **males** and the *italic* type data on grey background are from *females*.

TASK A

1. Decide which class' data you are going to work with. There is a picture of the questionnaire and coding sheets to help you on pages 3 and 4.
2. Concentrate on just one of these classes at first.
3. Work out which question from the *CensusAtSchool*
4. Use the questionnaire and the data, in the table you have chosen, to work which question this is the response to.
5. Display the data either in two graphs (one for males and one for females) or a combined graph.
6. Find the appropriate average to use for these data and any other statistics you think are useful for this investigation.
7. Using your graphs and statistics write a short report about your findings. Remember you will need to work out what the data is telling you.

TASK B

1. Design a collection sheet and collect similar data from your class.
2. Display the data you have collected, find the appropriate average for you class and compare this to that of the class you chose to investigate in Task A.
3. Write a short report on what you have found. Explain any differences you have found between the two classes.

TASK C

1. Compare Class C to Class D.
2. Write a short report.



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Class C

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 49 | <i>56</i> | <i>56</i> | 0 | 56 | <i>45</i> | <i>56</i> | 56 |
| <i>56</i> | <i>0</i> | <i>56</i> | 56 | 53 | <i>0</i> | <i>49</i> | 56 |
| 21 | <i>49</i> | 56 | <i>49</i> | <i>49</i> | 56 | 49 | <i>53</i> |
| <i>45</i> | <i>49</i> | <i>56</i> | 49 | 56 | <i>56</i> | <i>56</i> | <i>56</i> |
| <i>0</i> | 49 | 56 | 56 | <i>0</i> | <i>0</i> | 56 | 86 |
| 49 | 56 | 1 | <i>57</i> | 56 | <i>21</i> | 0 | 56 |
| 56 | <i>56</i> | 21 | <i>49</i> | 56 | 49 | <i>49</i> | <i>56</i> |

Table 1: Class A

Numbers in bold on white background are male results
 Number in italic on grey background are female results

Class D

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>21</i> | <i>0</i> | <i>21</i> | 45 | 81 | <i>0</i> | <i>0</i> | 34 |
| 0 | 49 | <i>49</i> | <i>0</i> | <i>0</i> | 0 | <i>1</i> | <i>49</i> |
| <i>0</i> | 49 | 0 | 81 | 34 | 81 | <i>0</i> | <i>0</i> |
| 0 | 1 | <i>0</i> | 49 | <i>21</i> | 21 | 49 | 49 |
| 45 | <i>49</i> | 0 | <i>0</i> | <i>0</i> | <i>0</i> | 81 | <i>81</i> |
| 21 | 0 | 65 | 34 | 81 | 81 | 49 | 0 |

Table 2: Class B

Numbers in bold on white background are male results
 Number in italic on grey background are female results



Data with Gender but no Name

UK Football League Teams

Coding Favourite Sports

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| | | | | | |
|----|------------------------|-----|----------------------|----|-----------------------------------|
| 0 | NONE | 57 | Notts County | 1 | Archery |
| 1 | Arsenal | 58 | Oldham Athletic | 2 | Athletics |
| 2 | Aston Villa | 59 | Oxford United | 3 | Badminton |
| 3 | Barnet | 60 | Peterborough United | 4 | Basketball |
| 4 | Barnsley | 61 | Plymouth Argyle | 5 | Boxing |
| 5 | Birmingham City | 62 | Port Vale | 6 | Canoeing |
| 6 | Blackburn Rovers | 63 | Portsmouth | 7 | Cycling |
| 7 | Blackpool | 64 | Preston North End | 8 | Diving |
| 8 | Bolton Wanderers | 65 | Queens Park Rangers | 9 | Equestrian |
| 9 | Bournemouth | 66 | Reading | 10 | Fencing |
| 10 | Bradford City | 67 | Rochdale | 11 | Football |
| 11 | Brentford | 68 | Rotherham United | 12 | Gymnastics |
| 12 | Brighton & Hove | 69 | Scunthorpe United | 13 | Handball |
| 13 | Bristol City | 70 | Sheffield United | 14 | Hockey |
| 14 | Bristol Rovers | 71 | Sheffield Wednesday | 15 | Judo |
| 15 | Burnley | 72 | Shrewsbury Town | 16 | Modern pentathlon |
| 16 | Bury | 73 | Southampton | 17 | Rowing |
| 17 | Cambridge United | 74 | Southend United | 18 | Sailing |
| 18 | Cardiff City | 75 | Stockport County | 19 | Shooting |
| 19 | Carlisle United | 76 | Stoke City | 20 | Swimming |
| 20 | Charlton Athletic | 77 | Sunderland | 21 | Synchronized swimming |
| 21 | Chelsea | 78 | Swansea City | 22 | Table tennis |
| 22 | Cheltenham Town | 79 | Swindon Town | 23 | Taekwondo |
| 23 | Chesterfield | 80 | Torquay United | 24 | Tennis |
| 24 | Colchester United | 81 | Tottenham Hotspur | 25 | Triathlon |
| 25 | Coventry City | 82 | Tranmere Rovers | 26 | Volleyball |
| 26 | Crewe Alexandra | 83 | Walsall | 27 | Water polo |
| 27 | Crystal Palace | 84 | Watford | 28 | Weightlifting |
| 28 | Darlington | 85 | West Bromwich Albion | 29 | Wrestling |
| 29 | Derby County | 86 | West Ham United | 30 | I have no favourite Olympic sport |
| 30 | Everton | 87 | Wigan Athletic | | |
| 31 | Exeter City | 88 | Wimbledon | | |
| 32 | Fulham | 89 | Wolves | | |
| 33 | Gillingham | 90 | Wrexham | | |
| 34 | Grimsby Town | 91 | Wycombe Wanderers | | |
| 35 | Halifax Town | 92 | York City | | |
| 36 | Hartlepool United | 93 | Aberdeen | | |
| 37 | Huddersfield Town | 94 | Celtic | | |
| 38 | Hull City | 95 | Dundee | | |
| 39 | Ipswich Town | 96 | Dundee United | | |
| 40 | Kidderminster Harriers | 97 | Dunfermline | | |
| 41 | Leeds United | 98 | Hearts | | |
| 42 | Leicester City | 99 | Kilmarnock | | |
| 43 | Leyton Orient | 100 | Motherwell | | |
| 44 | Lincoln City | 101 | Rangers | | |
| 45 | Liverpool | 102 | St Johnstone | | |
| 46 | Luton Town | 103 | Ballymena | | |
| 47 | Macclesfield Town | 104 | Cliftonville | | |
| 48 | Manchester City | 105 | Coleraine | | |
| 49 | Manchester United | 106 | Crusaders | | |
| 50 | Mansfield Town | 107 | Glenavon | | |
| 51 | Middlesbrough | 108 | Glentoran | | |
| 52 | Milwall | 109 | Linfield | | |
| 53 | Newcastle United | 110 | Newry | | |
| 54 | Northampton Town | 111 | Omagh Town | | |
| 55 | Norwich City | 112 | Portadown | | |
| 56 | Nottingham Forest | | | | |



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CensusAtSchool Questionnaire

| | | |
|---|--|---|
| 1. Are you: <input type="checkbox"/> female? <input type="checkbox"/> male? | 9. a) Recall how many soft drinks you had in the last two days. How many were: from cans? from plastic bottles?..... b) How many of these drink containers did you recycle? from cans? from plastic bottles?..... | 16. What is your favourite type of news story?(Select one answer) <input type="checkbox"/> business <input type="checkbox"/> sport <input type="checkbox"/> health <input type="checkbox"/> education <input type="checkbox"/> science and the environment <input type="checkbox"/> technology <input type="checkbox"/> entertainment <input type="checkbox"/> world affairs <input type="checkbox"/> politics <input type="checkbox"/> other <input type="checkbox"/> none <input type="checkbox"/> |
| 2. Please state your age in completed years.years | 10. How many people live in your household? (Include yourself) people | 17. What type of TV programme do you watch the most? |
| 3. What year are you in at school? Year e.g. Year 10 | 11. Have you moved house in the last year? <input type="checkbox"/> no <input type="checkbox"/> moved within the UK <input type="checkbox"/> moved from abroad | 18. What is your favourite subject at school? |
| 4. Where were you born? <input type="checkbox"/> England <input type="checkbox"/> Wales <input type="checkbox"/> Scotland <input type="checkbox"/> Northern Ireland <input type="checkbox"/> Republic of Ireland <input type="checkbox"/> Other European Country <input type="checkbox"/> Outside Europe | 12. How many cars belong to people in your household? cars | 19. How do you usually travel to school?(Select one answer) <input type="checkbox"/> Walk <input type="checkbox"/> Bus <input type="checkbox"/> Car <input type="checkbox"/> Cycle <input type="checkbox"/> Train/Tube/Tram/Metro <input type="checkbox"/> Other (please specify)..... |
| 5. State the first part of your postcode where you live (e.g. NG3 or IP24) | 13. Tick the box if you have: (You may tick more than one box) <input type="checkbox"/> a mobile phone without Internet <input type="checkbox"/> a mobile phone with Internet <input type="checkbox"/> a home computer without internet <input type="checkbox"/> a home computer with Internet <input type="checkbox"/> your own computer <input type="checkbox"/> your own television <input type="checkbox"/> an i-pod/portable media player <input type="checkbox"/> a games console | 20. How long does it usually take you to travel to school?minutes |
| 6. a) How tall are you without shoes? (Answer in centimetres) centimetres b) What is the length of your right foot to the nearest tenth of a centimetre? centimetres c) What is your open arm span? (Answer in centimetres)centimetres d) Which hand do you write with? <input type="checkbox"/> Right <input type="checkbox"/> Left <input type="checkbox"/> either (ambidextrous) | 14. Which of these methods do you most often use to communicate with your friends?(Select one answer) <input type="checkbox"/> in person <input type="checkbox"/> telephone (landline) <input type="checkbox"/> cell phone <input type="checkbox"/> by letter <input type="checkbox"/> text messaging <input type="checkbox"/> e-mail <input type="checkbox"/> Internet chat or MSN <input type="checkbox"/> MySpace, Facebook, blog <input type="checkbox"/> other | 21. a) There is a national census in 2011. During which month is Census Day? |
| 7. What is your favourite UK football team ? Team name | 15. What is the main way you keep up with the news?(Select one answer) <input type="checkbox"/> newspaper <input type="checkbox"/> Internet on a computer <input type="checkbox"/> Internet on a mobile phone <input type="checkbox"/> radio <input type="checkbox"/> television <input type="checkbox"/> magazines <input type="checkbox"/> talking to your friends <input type="checkbox"/> other <input type="checkbox"/> not interested in the news | |
| 8. What is your favourite Olympic sport? | | |