

Year 10 Transition Tasks

Subject: GCSE Statistics
Teacher/s: Mr Ford
Qualification: Edexcel GSE Statistics
Method of assessment: Examination
Transition main task https://www.youtube.com/watch?v=dAUsSlhRDIO&t=2s Watch the clip first in its entirety, then watch it again and answer these questions:
<ol style="list-style-type: none">1. Who is David Spiegelhalter and what does his job entail?2. Who was the first female member of the Royal Statistical Society and when was she admitted?3. How can you manipulate a number to make it seem smaller?4. Who was Dr Harold Shipman?5. Did he murder more men than women?6. What can you say about the ages of the victims?7. Did the pattern of his victims change over time?8. Between which years did he stop murdering and why?9. Between what times did most of his victims die and why?10. What is an intra ocular result?11. How do you calculate excess mortality?12. What are the two possible types of error when 'hypothesis testing'?13. How do you reduce the risk of these errors?14. What year could they have 'blown the whistle'?15. In which city do GPs sign the most death certificates? Why?16. Which average do they use to measure 'how often opposite sex couples report having sex'?17. Why do you think they have used this average?18. What reason did he give for the reduction in sexual activity and by what year did the press report that couples would stop having sex?19. What is extrapolation?20. Can you extrapolate forward and backwards?21. According to extrapolation, how many times were couples having sex in the year 0?22. What is the problem with extrapolating data?

Transition Reading Task:

[The art of statistics. Learning from Data' by David Spiegelhalter](#)

Recommended Websites:

[What would Florence Nightingale make of big data?](#)

