Student work samples (ST8111)

Individual comparisons using arguments about the location of the data

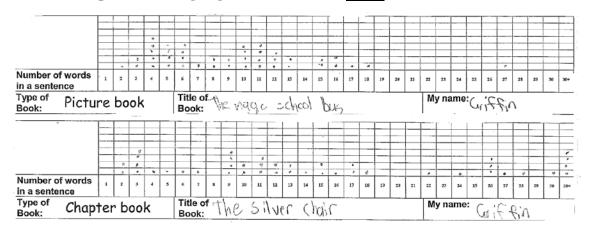
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The student said "Both books had a lot of sentences with 12 words or under, and they both have a few sentences with more than 13 words." She predicted chapter books had longer sentences, but changed this view after looking at the data.

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The student said "The two graphs were very unbalanced, one mostly high, the other mostly low."

Individual comparisons using arguments about the "tail" of the data

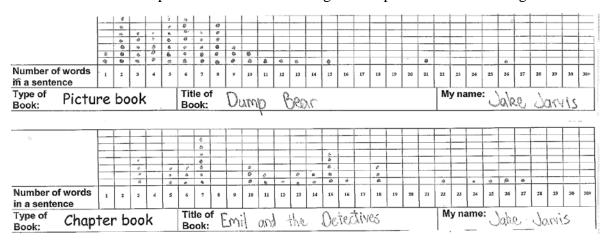


This student noted that their chapter book had far more longer sentences. It also seems that this chapter book had a higher overall sentence length, but the student did not comment on this. This student predicted the sentence lengths would be similar, but changed this view after looking at the data.

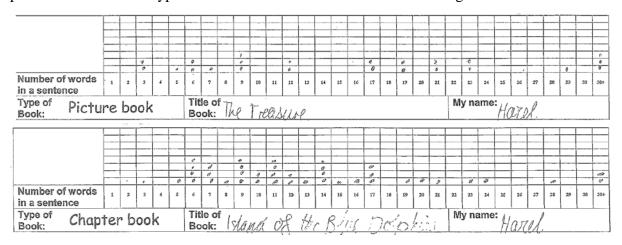
Students who did not adequately describe their reasons

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This student circled that the chapter book had far more longer sentences. The median sentence length is about the same for both books, so it is largely the "tail" of longer sentences that indicates a different pattern. This student changed their prediction after seeing the data.

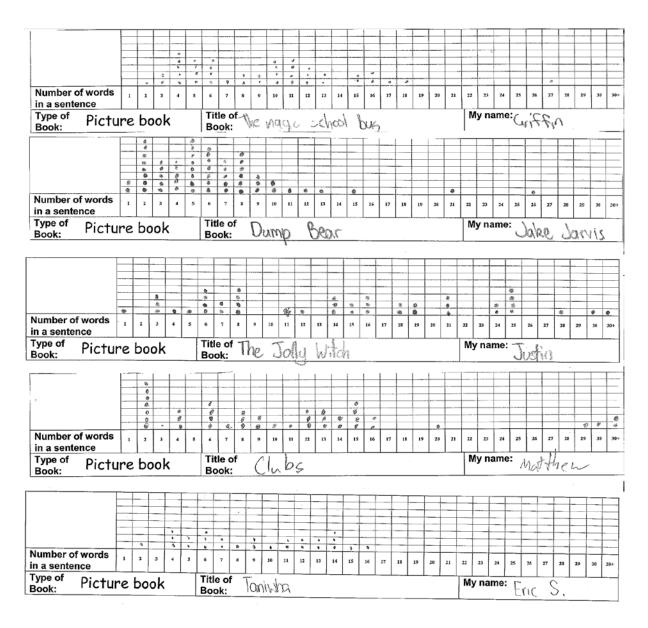


This student correctly circled that the chapter book sentences were longer. They had predicted that the two types of books would have similar sentence lengths.



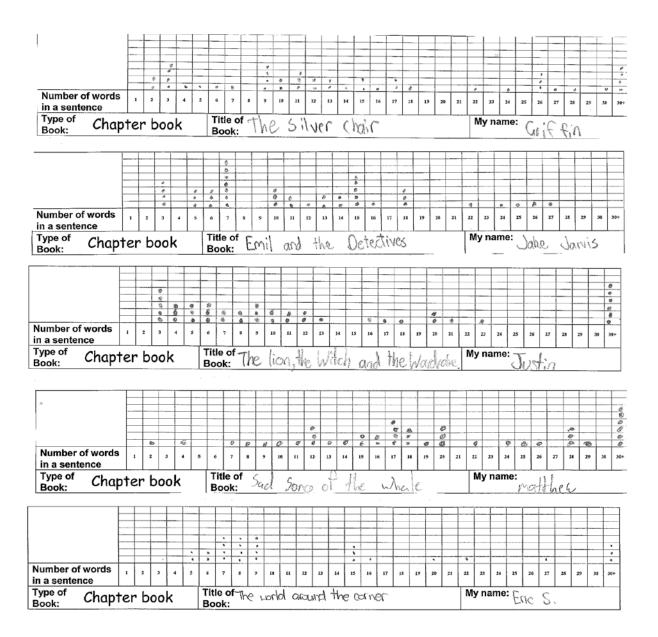
This student did not alter from their prediction, even though the data indicates that, if anything, their picture book had longer sentences that their chapter book.

Picture Books (Group 1)

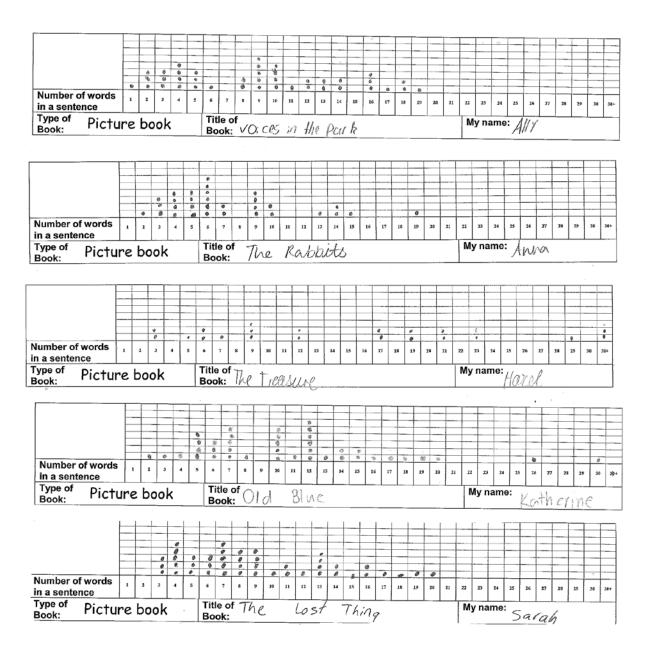


Group 1 compared the graphs for five picture books. They attached their graphs to a large sheet to help them compare them.

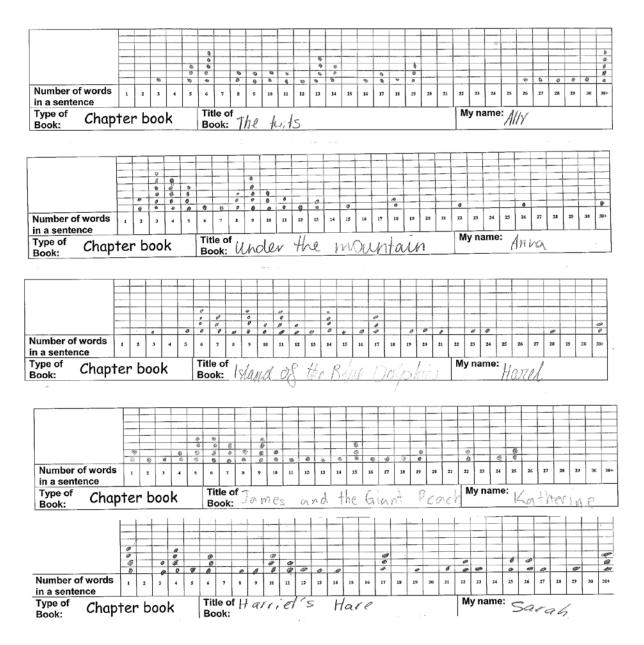
Chapter Books (Group 1)



Picture Books (Group 2)



Chapter Books (Group 2)



Group 2 compared the graphs for five chapter books. They attached their graphs to a large sheet to help them compare them.