Exercise 2.1

**Based on the results in this chapter, suppose you were asked to summarize what you learned about whether first babies arrive late.**

**Which summary statistics would you use if you wanted to get a story on the evening news? Which ones would you use if you wanted to reassure an anxious patient?**

**Finally, imagine that you are Cecil Adams, author of The Straight Dope (http://straightdope.com), and your job is to answer the question, “Do first babies arrive late?” Write a paragraph that uses the results in this chapter to answer the question clearly, precisely, and honestly.**

If I wanted to get a story to be a quick representation on a news channel, I would use mean as summary statistics.

If I wanted to reassure an anxious expecting parent, I would use variance to check the result.  
In my opinion, I don’t think the first baby will arrive late. Below are my reasons,

1. **First, the conditions at which both the groups in study were kept is not clear**

For example, their daily routine, food consumed, existing body state and health conditions. If the conditions of the sample groups are not the same, we cannot get the fair output.

1. **Second, selection bias**

People who join a discussion of this question might be interested because their first babies were late.

1. **Confirmation bias**

People who believe the claim that first babies arrive late, might be more likely to contribute examples that confirm it. People who doubt the claim are more likely to cite counterexamples.

1. **The mean between the first baby and others is only 0.078**

From the mean, we cannot find the difference between them.

1. **The CohenEffectSize is only 0.029**