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DSC530

Professor Cary Jim

June 3, 2023

* Outcome of your EDA

From the beginning, my question was what had the most significant effect on insurance rates or charges. I found the variables that could affect it most, age and BMI, but even those did not have the most significant impact on the rates of insurance. Rather all the variables affected it in one way or another. The biggest surprise was that having more children did not affect the charges negatively; it was the opposite. Those who have more children pay less on average.

* What do you feel was missed during the analysis?

I think I missed a few key things, such as looking at whether smoking had more of an effect, though what was noted was that those who smoked did have higher chargers than those who did not. That did seem to have a significant effect.

* Were there any variables you felt could have helped in the analysis?

A variable that could have helped was if the individual had insurance through work or other means. That would give insight into the type of insurance one had and whether they paid more having cheaper insurance or more expensive insurance. And income variable would also have helped give more insight.

* Were there any assumptions you felt were incorrect?

I overestimated how much of an effect BMI and Age would have on the charges, and instead of focusing on that I could have focused on another variable a bit more.

* What challenges did you face, what did you not fully understand?

The challenges I faced were knowing exactly what all the terms meant, I had to keep going back to the book or googling to make sure I understood everything. Trying to understand everything and how to put it to words properly has been my greatest challenge throughout all of this.