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Reflect on the Question

Analyze the Data

Draw Conclusions

Primary Research Question

Is there an association between winning a Grammy and the genre of music that an artist plays?

(5/7 points)

Write Your Conclusion

There is an association between winning a Grammy and the Genre of music an artist plays. The probability of winning a Grammy, regardless of Genre, is 42.24 %. However, examination of a contingency table containing both Grammy and Genre showed that the conditional probability of winning a Grammy changes by genre. If an artist is in the Country Genre, the conditional probability of winning a Grammy is 66.67 %, while if an artist is in the Singer-Songwriter Genre, the conditional probability of winning a Grammy is 29.41%. Visual examination of the barplot shows the conditional probabilities of winning a Grammy are not equal across Genres.

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