In his book *Moneyball*, author Michael Lewis writes, "People ... operate with beliefs and biases. To the extent you can eliminate both and replace them with data, you gain a clear advantage." Through the use of data analysis, data visualization, and other modern statistical tools, professional sports teams can gain competitive advantages over their opponents. We discuss examples of how data can be leveraged to drive decision-making in football and hockey, and we overview models for player evaluation in these sports.

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