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| **Investigating Relationships in Data** |
| Chooses variables and collects data about them“Hockey is my favourite sport. I wonder if there might be relationships between salaries, players ages, and how many points a team has at the end of season.”  | Predicts possible relationships and graphs bivariate data for analysis“I graphed the total salaries paid and the points earned for the 2022/23 season. I know there is a salary cap and I think that’s because if a team pays players more they will get better players, win more, and earn more points.”*Source*: [spotrac.com](https://www.spotrac.com/nhl/cap/2022/) | Identifies and describes relationships between variables*Source*: [spotrac.com](https://www.spotrac.com/nhl/cap/2022/)“In my scatter plot I don’t see the strong relationship I expected to. Some teams who spend less on salaries win lots of games and some who pay more don’t win so many.”  | Describes limitations of their analysis and further possible research“I didn’t graph data for all the teams because there were a lot, so I think I should add more to the graph to see if it makes a difference. I also wonder if it might make a difference looking at data from a different season.” |
| **Observations/Documentation** |
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