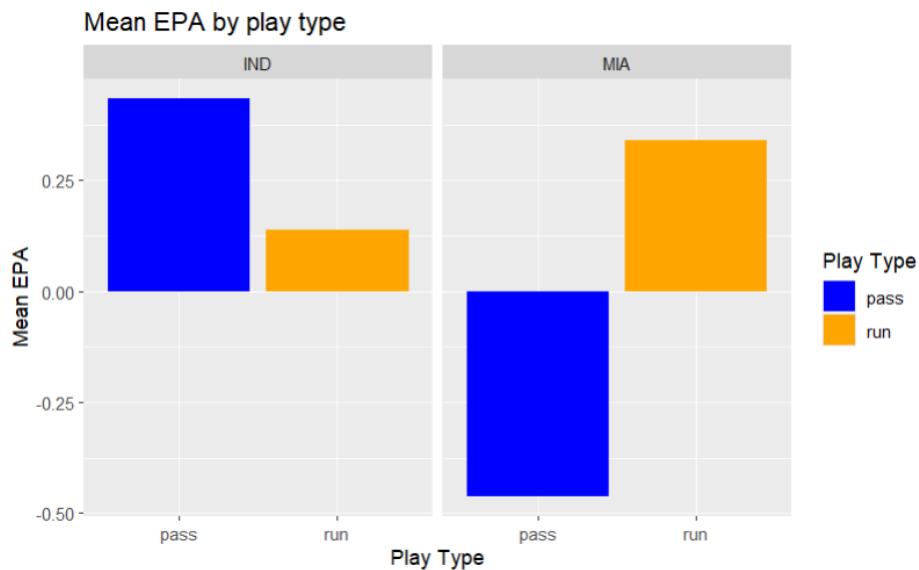


Final Project Phase 1 Q and A's

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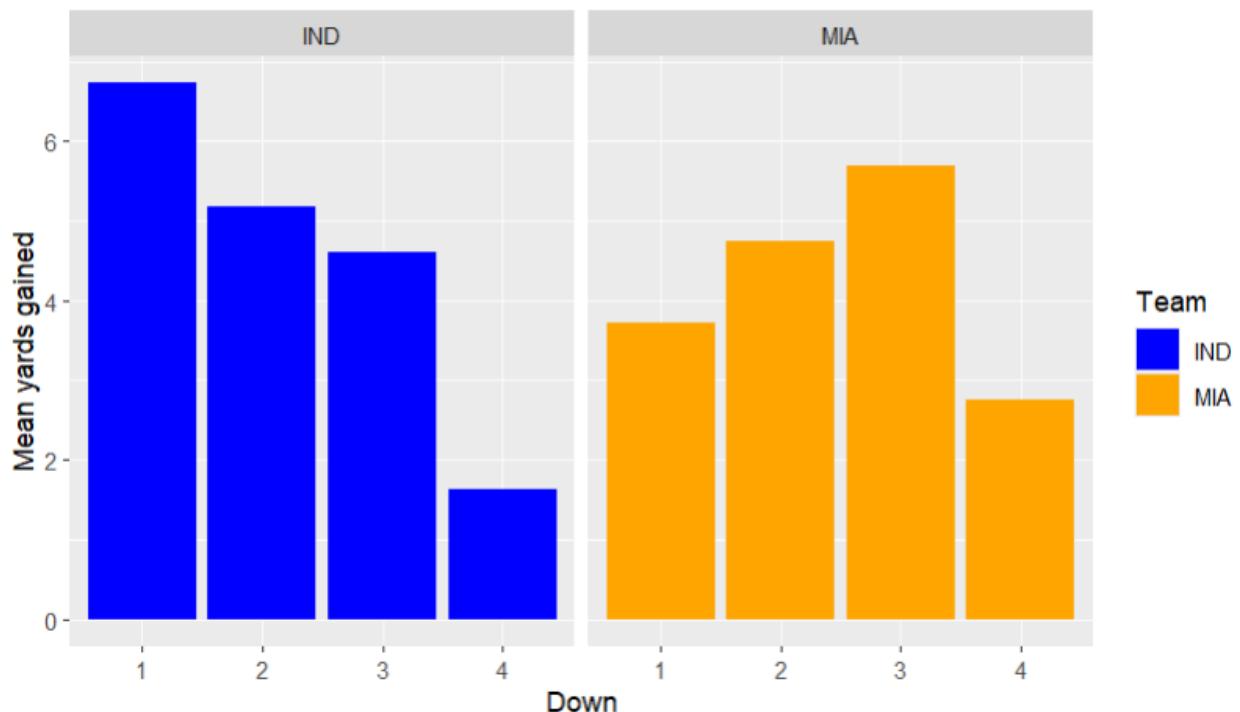
Question 1: What type of offensive strategy produced the most success for each team (highest mean EPA for pass and run)?



Answer 1: In a game of football, there are different ways to approach each play. The two primary offensive strategies include running and passing the football. Each strategy has their own purpose and provides different opportunities for the offense to gain a first down. In the plot above, we can see the mean EPA (expected points added) for pass plays and run plays for both teams. The Colts were highly effective when choosing to pass the ball and less so when choosing to run. On the other hand, the Dolphins struggled significantly with passing and excelled in running the ball. Given the small sample of one game, we don't want to make conclusions about how the rest of the season will be. Based on this one game, the Colts were more successful when executing pass plays while the Dolphins were far superior when running the ball.

Question 2: How effective was each team at gaining yardage during each down?

Average yards gained per down for each team



Answer 2: Gaining yardage is crucial to achieving a first down and, eventually, scoring. According to the above plot, the Colts achieved over 6 yards during first down compared to under 4 for the Dolphins. This indicates that the Colts had more offensive production and may have controlled the game more. The Colts were also fairly effective on 2nd and 3rd down as well before dropping off during fourth downs. The Dolphins were the strongest during second and third downs which means they had a less effective offense early after a first down but were more effective at gaining yardage when the pressure to achieve a completion was higher.