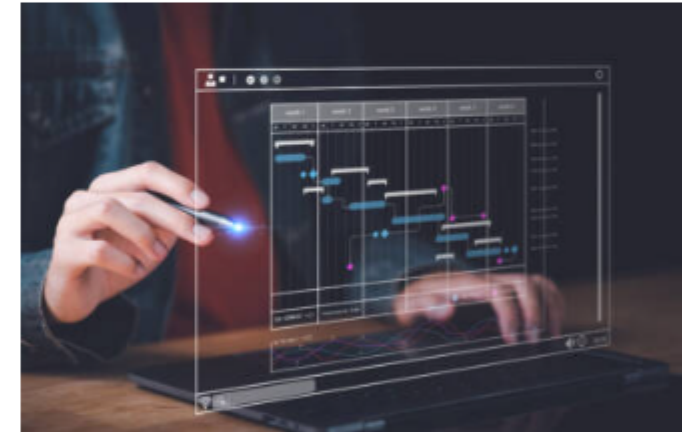


Case Studies

Sports Scheduling

Business Objective

There is a virtually unlimited number of possible combinations of dates, locations, and opponents that sports leagues must juggle to schedule games. A good schedule is important to reduce unnecessary travel, generate excitement for key matchups, and create fairness across teams while also being efficient.



SimpleRose Solution

Our solutions incorporate the many factors that go into a sports schedule from field and team availability to travel restrictions for support personnel such as referees. We can formulate decisions with the goal to maximize fairness among the teams or to minimize the deviation between the team's desired and actual schedule. Maximizing competitive fairness can take into account travel considerations, the number of away games in a row, a reasonable number of late games throughout the season, and more.

An initial agreeable set of games is locked in, and the remainder of the games is optimized in subsequent model runs. Using optimization provides more and better scheduling, faster.

Our solution is flexible to adapt to changes that may occur throughout a season including games canceled by weather or players unavailable due to injury. . These conditions are input to the model to re-optimize the schedule.