빅데이터와 비즈니스 모델 3차 과제

**A case on Decision Tree**

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Big data is used to predict baseball players' future performance. The system called ZIPS was not attracted people’s attention with low expectations in the past, but now, it is evaluated as the most accurate prediction system. ZIPS uses data about past performance to predict future(remaining season) performance. What is important in the system is to identify the correlation of each factor and score that affects baseball games. In given case, consisting of 111 instances, there are 7 independent and 10 independent variables. As a result of creating 10 division trees for 10 dependent variables using the division tree method, 3 signature outcomes were derived. With each outcome, results are derived such as 'wind' is the most affective variable and 'cloud', 'temp' and ‘spect’ are following variables that most affects the game score. As we can see, the decision tree method might be applied to other complicated predictions.