

INVESTIGATIONS

FOOTBALL FEVER by Lindy Sharkey

Get ready footy fans, it is the time of the year when legends are born and champions are crowned, the AFL finals are upon us! The 2024 AFL football season has been a roller coaster, complete with breath-taking moments and heroic feats, and with each round comes all the data that your maths class could ever want to analyse! Every goal, tackle and even the attendance is recorded and made publicly available ready to electrify mathematics classrooms around the nation.



BEFORE THERE WAS AFL

At the beginning of the 2024 football season Arc published a ready-made football themed challenge. Students will perform a games analysis of three physical activities: Marngrook, AFL and hunting, to compare and contrast the physical attributes that contribute to success. Give students player profiles and ask them to use Venn diagrams to determine which activity each of the students is most suited to achieving success in.

CURRICULUM CONNECTIONS

VC2M8P02: Determine all possible outcome combinations for two events, using two-way tables, tree diagrams and Venn diagrams, and use these to determine probabilities of specific events in practical situations.

RESOURCES

Arc: <https://arc.educationapps.vic.gov.au/learning/resource/75963>
<https://yoorrookjusticecommission.org.au/news-stories/marngrook-celebrating-the-origins-of-afl/>
 AFL statistics and ratings: www.afl.com.au/stats/ or www.wheeloratings.com/afl_stats

VINCULUM: VOLUME 61, NUMBER 3. 2024

IS THERE A GOAT AMONG US?

All player profiles are available on the AFL website. The site publishes live statistics by both count and average including, but not limited to, kicks, disposals, possessions, metres gained and clearances with a rating of elite, above average, average or below average comparing

Ask students to rank the importance of each of the recorded statistics, and then rank or graph player performance to determine and justify which is the greatest.

CURRICULUM CONNECTIONS

VC2M10ST05: Plan and conduct statistical investigations of situations that involve bivariate data, including where the independent variable is time; evaluate and report findings with consideration of limitations of any inferences.