



Simulation Checklist

Achievement

I can:

- Design a simulation for a given situation
 - Identify tools to use (e.g. random number generators, dice, spinners)
 - Define what constitutes a single trial
 - Determine when to end the simulation
 - Establish a data recording method
- Conduct the simulation and record outcomes
- Select and use appropriate data displays (e.g. tables, graphs)
- Calculate relevant measures (e.g. means, probabilities)
- Communicate findings in a conclusion

Merit

I can:

- Justify design choices and link them to the context
- Explain relevant considerations in simulation design
- Identify key assumptions made
- Discuss potential effects of assumptions on simulation
- Support findings by referring to evidence from simulation results
- Link conclusions/recommendations to simulation outcomes

Excellence

I can:

- Integrate statistical and contextual knowledge throughout the process
- Identify multiple assumptions and discuss their potential impacts
- Reflect deeply on the simulation process
- Consider other relevant variables
- Discuss strengths and limitations of the simulation approach
- Explore ways to improve or extend the simulation
- Provide insightful conclusions firmly grounded in statistical reasoning