

	A Paper	B Paper	C Paper
	Simulation		
Simulation Parameters	<ul style="list-style-type: none"> <li>• Random seed is set to guarantee reproducibility.</li> <li>• Code properly simulates random variables for given sample sizes.</li> <li>• All sample sizes are included in code (<math>n = 10, 100</math>, etc.).</li> <li>• Proper test statistics are drawn from simulated data.</li> </ul>	<ul style="list-style-type: none"> <li>• Random seed is missing</li> <li>• Code properly simulates random variables for given sample sizes.</li> <li>• Not all sample sizes are included in code (<math>n = 100</math>).</li> <li>• Proper test statistics are drawn from simulated data.</li> </ul>	<ul style="list-style-type: none"> <li>• Random seed is missing</li> <li>• Code improperly simulates random variables for given sample sizes.</li> <li>• Not all sample sizes are included in code.</li> <li>• Proper test statistics are missing.</li> </ul>
Figures	<ul style="list-style-type: none"> <li>• All required figures are included and of presentation quality.</li> </ul>	<ul style="list-style-type: none"> <li>• All required figures are included, but quality is insufficient.</li> </ul>	<ul style="list-style-type: none"> <li>• Some figures are missing. The included figures are of insufficient quality.</li> </ul>
Summary of Results	<ul style="list-style-type: none"> <li>• Results of each simulation are clearly explained.</li> <li>• Pertinent details from figures are referenced.</li> <li>• Proper and valid conclusions are drawn from each simulation.</li> </ul>	<ul style="list-style-type: none"> <li>• Results of simulations are explained, but may be lacking details.</li> <li>• Pertinent details from figures are only briefly mentioned.</li> <li>• Some conclusions drawn from simulation results may be invalid.</li> </ul>	<ul style="list-style-type: none"> <li>• Simulation results are left unexplained.</li> <li>• Figures aren't described or given context.</li> <li>• Conclusions are invalid.</li> </ul>

	A Paper	B Paper	C Paper
	Analysis		
<b>Procedure &amp; Justification</b>	<ul style="list-style-type: none"> <li>• Procedure is appropriate for the data.</li> <li>• Justification for the procedure is given and well-explained.</li> </ul>	<ul style="list-style-type: none"> <li>• Procedure is appropriate for the data.</li> <li>• Minimal or no justification for procedure is given.</li> </ul>	<ul style="list-style-type: none"> <li>• Procedure is inappropriate for the data.</li> <li>• No justification given.</li> </ul>
<b>Checking Assumptions</b>	<ul style="list-style-type: none"> <li>• All required assumptions for the procedure are explored.</li> <li>• All appropriate graphs are included with titles, labels, etc.</li> <li>• Any deviations of the assumptions must be addressed as well as the implications for any conclusions you make.</li> </ul>	<ul style="list-style-type: none"> <li>• At least some assumptions are explored.</li> <li>• At least some graphs are included.</li> <li>• Some deviations of the assumptions are addressed and the implications for the conclusions.</li> </ul>	<ul style="list-style-type: none"> <li>• Minimal explanation of the assumptions.</li> <li>• Minimal graphs.</li> <li>• No explanation of how any deviations affect conclusions.</li> </ul>
<b>Numerical Results</b>	<ul style="list-style-type: none"> <li>• All relevant summary statistics are reported.</li> <li>• All values have appropriate units.</li> <li>• All test statistics are correctly calculated.</li> </ul>	<ul style="list-style-type: none"> <li>• Some relevant summary statistics are reported.</li> <li>• Values may be missing units.</li> <li>• Test statistics are incorrectly calculated.</li> </ul>	<ul style="list-style-type: none"> <li>• Minimal summary statistics are reported.</li> <li>• No units.</li> <li>• Test statistics are incorrectly calculated.</li> </ul>

	<b>Presentation</b>		
<b>Report Structure</b>	<ul style="list-style-type: none"> <li>• Sections are clearly labeled.</li> <li>• Pages are numbered.</li> <li>• Title section with title of project, author's name, date, course, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Sections are labeled, but not formatted well.</li> <li>• Pages may or may not be numbered.</li> <li>• Title section is missing information or not formatted properly.</li> </ul>	<ul style="list-style-type: none"> <li>• Report sections are not labeled.</li> <li>• Page numbers missing.</li> <li>• No name or title.</li> </ul>
<b>Introduction / Summary</b>	<ul style="list-style-type: none"> <li>• Introduction clearly introduces reader to topic and data.</li> <li>• Summary lacks technical jargon.</li> <li>• Numbers are rounded to appropriate number of digits.</li> <li>• Parameters are not represented by symbols (<math>\mu</math>, <math>\sigma^2</math>, etc.).</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction is unclear or poorly written.</li> <li>• Jargon may be present.</li> <li>• Numbers are not rounded to appropriate number of digits.</li> <li>• Parameters may be represented by symbols.</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction is confusing or missing entirely.</li> <li>• Lots of jargon that makes understanding difficult.</li> <li>• Numbers are not rounded or missing completely.</li> <li>• Parameters are represented by symbols or not reported at all.</li> </ul>
<b>Accuracy and Clarity of Conclusions</b>	<ul style="list-style-type: none"> <li>• Concluding statements are clearly written.</li> <li>• Scope of inference is explained.</li> <li>• Conclusions refer to procedure and test statistic as evidence.</li> </ul>	<ul style="list-style-type: none"> <li>• Concluding statements are somewhat clear.</li> <li>• Scope of inference is missing or not explained well.</li> <li>• Conclusions mention procedure without test statistic as evidence.</li> </ul>	<ul style="list-style-type: none"> <li>• Concluding statements are vague and unclear.</li> <li>• Scope of inference is missing.</li> <li>• Conclusions don't mention procedure or test statistic.</li> </ul>

<b>Figures and Plots</b>	<ul style="list-style-type: none"> <li>• Plots and figures are relevant to data, assumptions, and conclusions.</li> <li>• Plots are of presentation quality.</li> <li>• Plots have appropriate titles, labels, units, and legends.</li> <li>• Axes scales are appropriate to convey meaning.</li> </ul>	<ul style="list-style-type: none"> <li>• Plots are relevant, but not presentation quality.</li> <li>• Plots have some labels and captions.</li> </ul>	<ul style="list-style-type: none"> <li>• Plots are not relevant nor presentation quality.</li> <li>• Plots are missing labels, titles, etc.</li> </ul>
<b>Attached R Code</b>	<ul style="list-style-type: none"> <li>• Code is attached in appendix after paper.</li> <li>• Code is commented properly.</li> <li>• Code would run without error if copied.</li> </ul>	<ul style="list-style-type: none"> <li>• Code is attached after paper.</li> <li>• Commenting is minimal or missing.</li> <li>• Code produces an error or two if copied and run.</li> </ul>	<ul style="list-style-type: none"> <li>• Code might be missing entirely.</li> <li>• Comments are missing.</li> <li>• Code returns several errors.</li> </ul>