

## SciScore v.2.0

December 18, 2020

### What's New in Version 2.0

#### What's new?

- An [MDAR](#) report will now be included with each SciScore file in addition to our previous reports
- SciScore will now detect certain protocol, code, and data patterns (i.e. URLs, DOIs, and accession numbers)
- New classifiers have been added to detect field sample permits, euthanasia agents, inclusion & exclusion criteria, attrition, age, weight, replication type, number of replications, code availability statements & identifiers, data availability statements & identifiers, and statistical tests

#### What's improved?

- Additional scoring logic, so your paper is only scored using relevant criteria
- The original SciScore report has been reworked and reformatted
- Using the influx of [RTI](#) data, we have improved our classifiers for the following entities: IRB statements, IACUC statements, consent statements, sex as a biological variable, randomization, blinding, power analysis, cell line authentication, mycoplasma contamination, antibodies, plasmids, and software & algorithms

#### Known issues?

- Differences in spelling (i.e. randomise) are more likely to not be detected
  - Tip: For now, please use American spellings when possible (i.e. randomize).
- Issues with replication. When SciScore detects both the type of replication and the number of replications, SciScore sometimes only displays one entity type (type or number) if the entities are present in separate sentences.
  - Note: This issue only impacts reporting and will not impact your score.
- We are still perfecting the identifiers section. Links may incorrectly be shown in blue, red, or black.
  - Tip: Verify links of all colors by clicking on them within the report.
- Our code, data, and protocol criteria are not currently included in scoring.
- Current table generation relies on our old conditional scoring system, so many criteria that are not “expected” may still be shown as “not detected”. This issue will not affect original conditional criteria like cell line authentication and contamination, which will only be shown whenever they are “expected”.
  - Note: If criteria are shown as “not detected”, it does not necessarily mean they are expected or included in scoring.
- Equations and figures may sometimes cause SciScore to fail without providing a report.
  - Tip: If you are unable to get your SciScore report back or are noticing a significant number of errors in your equation/figure heavy paper, try submitting without equations and figures.

#### What's identified?

- Institutional Review Board Statement\*
- Institutional Animal Care & Use Committee Statement\*
- Consent Statement\*
- Field Sample Permit^
- Euthanasia Agents^
- Inclusion & Exclusion Criteria^
- Attrition^
- Sex as a biological variable\*

- Age<sup>^</sup>
- Weight<sup>^</sup>
- Randomization\*
- Blinding\*
- Power Analysis\*
- Replication Type<sup>^</sup>
- Number of Replications<sup>^</sup>
- Cell Line Authentication Statement\*
- Mycoplasma Contamination Statement\*
- Protocol Information<sup>^</sup>
- Code Information<sup>^</sup>
- Data Information<sup>^</sup>
- Antibodies\*
- Experimental Models: Cell Lines
- Experimental Models: Organisms/Strains
- Plasmids\*
- Software & Algorithms\*
- RRIDs (resolver check)
- Statistical Tests<sup>^</sup>
- Oligonucleotides

\* Improvements deployed

<sup>^</sup> New criteria