Credit for Data Sharing
Team

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Introduction / Background

• Well appreciated that there is little positive reward or academic recognition for sharing data

• Incentives may be needed to encourage a culture of data sharing

• Systemic approach needed and many stakeholders have a role in helping this to become a reality

• International effort
<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>Authors</th>
<th>Data Set DOI</th>
<th>Manuscript DOI</th>
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<tbody>
<tr>
<td>1</td>
<td>Primary authors generate data set and designate “data authors,” DOI is assigned, and primary publication occurs</td>
<td>$(A, B)$</td>
<td>$00000111100\ 1101010100\ 0011010101$</td>
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<td>2</td>
<td>Secondary analysis by members of primary group</td>
<td>$(A, C)$</td>
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<td>3</td>
<td>Secondary analysis with collaborator</td>
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<td>4</td>
<td>Secondary analysis by independent investigator</td>
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<td>Manuscript DOI: MS 4 DOI</td>
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<tr>
<td>5</td>
<td>Combination of data set with other data for new analysis by independent investigator</td>
<td>$(A, B)$</td>
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Credit for Data Sharing Project Goals

• Assess whether the concept of “data authors” can be implemented to effectively and consistently incentivize and acknowledge data sharing

• Building on the work that has already been done, identify the gaps and barriers that have prevented such a system from being implemented across journals, academic institutions, and funders

• Recommend specific achievable steps to implement a standardized system across stakeholder organizations
Timeline

• May 12, 2017: Kickoff Teleconference
• July 12, 2017: In-Person Planning Meeting in Boston
• September 27, 2017: Meeting on Technical Issues
• ~Winter 2018: Conference on Credit for Data Sharing
Key Assumptions

• Different types of datasets (self-contained, dynamic, software, etc.) may require different specific considerations within a single, broadly applicable system

• System resulting from this project should and will incorporate existing efforts

• Focus is on credit for data use after it has been shared
  • Issues such as exclusivity periods, costs, data location, and accessibility are out of scope for this project

• In order to cite a data generator, datasets must have a machine readable, global unique identifier (GUID) and citation, which repositories are responsible for assigning
  • Joint Declaration Principles state that the assignment of a persistent identifier must be widely accepted by the community
Progress Thus Far

• Criteria and nomenclature
  • Investigative teams will likely wish to designate and assign contributor roles internally, rather than by published criteria
  • Assignment of data authorship will occur at one control point at the time of GUID assignment

• Academic Institutions
  • University presidents, provosts, and members of tenure/promotions committees may benefit from a roadmap of potential impact of data authorship designation on hiring decisions
  • Citations will need to be open, rather than hidden behind paywalls

• Journals/ Publishers
  • Journals are unlikely to create a second byline for data authors, so we will rely on the GUID (DOI) being referenced either in the references list or by other means

• Funders
  • Funders need a detailed set of recommendations for how data authorship and data sharing ought to influence funding decisions

• Technical Implementation:
  • Existing data citation efforts are being reviewed and integrated with this effort
Thank You!