WT02 - Software Citation: Principles, Usage, Benefits, and Challenges

Daniel S. Katz and Martin Fenner
Goals:

• After the course, attendees should be able to:

  • Understand the software citation principles
  • Apply the software citation principles in their work
  • Explain to others why they should apply the software citation principles
  • Understand any failings of the software citation principles
  • Feel like they learned something useful and contributed to the software citation process
Goals:

- After the course, attendees should be able to:
  - Understand the software citation principles
    - Lots of explanation and discussion, seemed successful
  - Apply the software citation principles in their work
  - Explain to others why they should apply the software citation principles
  - Understand any failings of the software citation principles
  - Feel like they learned something useful and contributed to the software citation process
Goals:
• After the course, attendees should be able to:
  • Understand the software citation principles
    • Lots of explanation and discussion, seemed successful
  • Apply the software citation principles in their work
    • In general, yes
  • Explain to others why they should apply the software citation principles
  • Understand any failings of the software citation principles
  • Feel like they learned something useful and contributed to the software citation process
Goals:

• After the course, attendees should be able to:

  • Understand the software citation principles
    • Lots of explanation and discussion, seemed successful
  • Apply the software citation principles in their work
    • In general, yes
  • Explain to others why they should apply the software citation principles
    • Yes
  • Understand any failings of the software citation principles

• Feel like they learned something useful and contributed to the software citation process
Goals:

• After the course, attendees should be able to:
  
  • Understand the software citation principles
    • Lots of explanation and discussion, seemed successful
  • Apply the software citation principles in their work
    • In general, yes
  • Explain to others why they should apply the software citation principles
    • Yes
  • Understand any failings of the software citation principles
    • Very much yes – lots of discussion, and we all learned some things here, including the instructors
  • Feel like they learned something useful and contributed to the software citation process

---

[CC BY] (The Future of Research Communications and e-Scholarship)
Software Citation is not Paper or Data Citation
Software Citation is not Paper or Data Citation

• Model for papers & citation
  • Three discrete, ordered steps: create, publish/register, cite
Software Citation is not Paper or Data Citation

• Model for papers & citation
  • Three discrete, ordered steps: create, publish/register, cite
  • Can’t read a paper that hasn’t been completed and published (generally)
  • Can’t cite a paper that hasn’t been completed and published (generally)
Software Citation is not Paper or Data Citation

• Model for papers & citation
  • Three discrete, ordered steps: create, publish/register, cite
  • Can’t read a paper that hasn’t been completed and published (generally)
  • Can’t cite a paper that hasn’t been completed and published (generally)

• Model for software & citation
  • Develop in the open, use at an time/stage, cite at any time/stage
Software Citation is not Paper or Data Citation

• Model for papers & citation
  • Three discrete, ordered steps: create, publish/register, cite
  • Can’t read a paper that hasn’t been completed and published (generally)
  • Can’t cite a paper that hasn’t been completed and published (generally)

• Model for software & citation
  • Develop in the open, use at an time/stage, cite at any time/stage
  • Can use software that is being developed, even if not completed
  • Can cite software that has not been published
Software Citation is not Paper or Data Citation

• Model for papers & citation
  • Three discrete, ordered steps: create, publish/register, cite
  • Can’t read a paper that hasn’t been completed and published (generally)
  • Can’t cite a paper that hasn’t been completed and published (generally)

• Model for software & citation
  • Develop in the open, use at an time/stage, cite at any time/stage
  • Can use software that is being developed, even if not completed
  • Can cite software that has not been published

• So, we can’t simply use the paper citation model for software by requiring an author to publish software so it can be cited
Software Citation is not Paper or Data Citation

• Model for papers & citation
  • Three discrete, ordered steps: create, publish/register, cite
  • Can’t read a paper that hasn’t been completed and published (generally)
  • Can’t cite a paper that hasn’t been completed and published (generally)

• Model for software & citation
  • Develop in the open, use at an time/stage, cite at any time/stage
  • Can use software that is being developed, even if not completed
  • Can cite software that has not been published

• So, we can’t simply use the paper citation model for software by requiring an author to publish software so it can be cited

• Discuss and exercises: what can we do, try out ideas
Goals:

• After the course, attendees should be able to:
  
  • Understand the software citation principles
    • Lots of explanation and discussion, seemed successful
  
  • Apply the software citation principles in their work
    • In general, yes
  
  • Explain to others why they should apply the software citation principles
    • Yes
  
  • Understand any failings of the software citation principles
    • Very much yes – lots of discussion, and we all learned some things here, including the instructors
  
  • Feel like they learned something useful and contributed to the software citation process
    • Yes!