

The details of the contribution of IJDL special issue submission #XXXX

Not All Mementos Are Created Equal: Measuring The Impact Of Missing Resources

| Section | DL2014 Proceeding | IJDL Special Issue |
|-----------------------------|--|---|
| Abstract | | Added results of the additional experiments and investigations |
| Conclusion | | Added outcomes and impacts of the additional experiments and investigations |
| Dataset | | |
| Archives | Internet Archive | To complement our discussion of the damage in the Internet Archive, we measured a page-at-a-time archiver, WebCite. We also included a discussion of archive.today and compared the three archives. |
| Mementos | 45,341 URI-Ms | WebCite had 992 mementos to add to the measurements, as we submitted the URI-Rs in our dataset to Archive.today and Webcite and created two additional sets of 1,861 mementos to evaluate. |
| Measurements | | |
| Damage over time | Measurement and discussion of damage in the Internet Archive | Comparison of memento damage and missing resources over time for WebCite, and compared the archive performance to that of the Internet Archive |
| Collection Damage | Measurement and discussion of damage in the Internet Archive | Discussion of the impact of missing embedded resources on the overall damage of WebCite |
| Number of missing resources | Measurement and discussion of missing embedded resources in the Internet Archive | Discussion of the number of missing embedded resources, their impact on damage, a comparison to the Internet Archive, and a discussion of what we can deduce from missing resources and damage |
| Missing File types | Measurement and discussion of missing file types in the Internet Archive | Comparison of the differences in archiving successes in the Internet Archive and WebCite, as well as the impact this may have on future damage measurements |

| Additional Discussion | | | |
|--------------------------|--|--|---------------|
| Impact of JavaScript | No discussion of JavaScript and the impact on damage | A discussion of how the ability or inability to execute JavaScript during archiving can impact the damage of mementos | |
| Page-at-a-time archivers | No discussion of page-at-a-time archivers | Discussion of page-at-a-time archivers (WebCite and Archive.today) and how they differ from traditional crawler-based archivers | |
| PhantomJS | No discussion of JavaScript and the impact on Damage | Included an experiment to measure the impact that JavaScript has on damage, and how Archive.today provides an improvement to WebCite, presumably due to its ability to handle JavaScript | |
| Document Statistics | | | |
| Words | 7,275 | 9,909 | +36% |
| Figures | 7 | 14 | +100% |
| Sections & subsections | 11 | 16 | +45% |
| Evaluations | Archives: 1 Mementos: 45,341 | Archives: 3 Mementos: +992 + 2 * 1,861 = 4,714 new mementos 45,341 + 4,714 = 50,055 | +200% +10% |
| Pages | 10 | 17 | +70% |
| Tables | 10 | 10 | +0% |
| References | 28 | 36 | +29% |