THE PATH-DEPENDENCE OF ACADEMIC VALUE CREATION
Impact, infrastructure, and innovation in academic publishing
I) WHY INEFFICIENT SYSTEM PREVAIL
II) THE PATH-DEPENDENCE OF ACADEMIC PUBLISHING
Table 3: “Have you ever shared your research data with others?”

From: A reputation economy: how individual reward considerations trump systemic arguments for open access to data

<table>
<thead>
<tr>
<th>Binary, multiple choice; 1=selected; 0=not selected</th>
<th>Observation</th>
<th>Mean</th>
<th>Standard error</th>
<th>[95% Conf. interval]</th>
<th>Responses in per cent:</th>
<th>Not selected</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Yes, with researchers who I know personally&quot;</td>
<td>1564</td>
<td>0.58</td>
<td>0.12</td>
<td>0.56</td>
<td>58.06</td>
<td>41.94</td>
</tr>
<tr>
<td>&quot;Yes, with researchers within my institute or my organization&quot;</td>
<td>1564</td>
<td>0.49</td>
<td>0.13</td>
<td>0.47</td>
<td>49.36</td>
<td>50.64</td>
</tr>
<tr>
<td>&quot;Yes, with researchers who work on similar topics&quot;</td>
<td>1564</td>
<td>0.40</td>
<td>0.12</td>
<td>0.38</td>
<td>40.35</td>
<td>59.65</td>
</tr>
<tr>
<td>&quot;Yes, with all non-commercial researchers&quot;</td>
<td>1564</td>
<td>0.14</td>
<td>0.08</td>
<td>0.13</td>
<td>14.45</td>
<td>85.55</td>
</tr>
<tr>
<td>&quot;With commercial researchers&quot;</td>
<td>1564</td>
<td>0.06</td>
<td>0.01</td>
<td>0.05</td>
<td>5.88</td>
<td>94.12</td>
</tr>
<tr>
<td>&quot;Yes, with the public&quot;</td>
<td>1564</td>
<td>0.13</td>
<td>0.01</td>
<td>0.11</td>
<td>13.11</td>
<td>86.89</td>
</tr>
<tr>
<td>&quot;No&quot;</td>
<td>1564</td>
<td>0.16</td>
<td>0.01</td>
<td>0.14</td>
<td>16.30</td>
<td>83.70</td>
</tr>
</tbody>
</table>
Deep... I wonder what it means...

It's a paywall, Fred.

Source: Open Science Federation (CC-BY)
Percentage of papers published by the five major publishers, by discipline in the Natural and Medical Sciences, 1973–2013.

Source: Larivière et al., 2015
III) ARE WE REPRODUCING AN INEFFICIENT SYSTEM?
How much should a scientific paper cost?

Library subscriptions around the world add up to between €3800 and €5000 per published journal article. Projekt DEAL aims to make German-authored papers in these journals open access and pay between €1300 and €2000 per article. Under similar deals, Dutch universities pay between €1300 and €4000 per article, but many of the most expensive subscription-based journals aren’t included.

- Price per article in the Netherlands, by publisher:
  - Springer: €1300
  - Wiley: €1600
  - Elsevier: €4000

**Source:** Vogel & Kupferschmidt, 2017
Thank you very much for your attention!

Contact
fecher@hiig.de
elephantinthelab.org

Literature