Each SDG has a section for research that uses bibliometrics and is worth 27% of the composite score. The bibliometrics for each SDG are listed below along with the number of responding universities. Each SDG has its own methodology. Queries for each SDG are based on keyword searches in Elsevier’s Scopus on terms associated with the SDG. The keywords are not shared with the public. The data include all indexed publications between 2013 to 2017 and are normalized to account for size. I tried to replicate at least the number of publications but could not map to a SciVal topic. See Example 2 for SDG 9 for the closest I could come to a comparison on all universities’ publications compared to the universities in the rankings.

SDG 3 (423): Good Health and Well Being
Research on health and well-being - 27%
- Proportion of papers that are viewed or downloaded - 10%
- Proportion of research papers that are cited in clinical guidance - 10%
- Number of publications - 7%

SDG 4 (457): Quality education
Research on early years and lifelong learning education - 27%
- Proportion of research papers that are viewed or downloaded - 10%
- Proportion of research papers in the top 10% of journals as defined by Citescore - 10%
- Number of publications – 7%

SDG 5 (339): Gender equality
- Proportion of a university’s total research output that is authored by women - 10%
- Number of publications - 7%
- Proportion of papers on gender equality in the top 10% of journals as defined by Citescore - 10%
- Number of papers on gender equality - 7%

SDG 8 (294): Decent work and economic growth
Research on economic growth and employment – 27%
- Proportion of papers in the top ten% of journals as defined by CiteScore - 14%
- Number of publications - 13%

SDG 9 (342): Industry, innovation and infrastructure
- Research on Industry, innovation and infrastructure measured by volume - 11.6%
- Patents published between 2013-2017 from WIPO, EPO and patent offices in the US, UK and Japan - 15.4%

**Research income from industry (used in the World Rankings) subject weighted across STEM medicine; and arts, humanities and social sciences 38.4%

SG 10 (275): Reduced inequalities
Research in reduced inequalities – 27%
- Proportion of papers in the top 10 per cent of journals as defined by Citescore - 10%
- Field weighted citation index of papers produced by the university - 10%
- Number of publications - 7%
**SDG 11 (296):** Sustainable cities and communities  
Research on cities and communities – 27%  
- Proportion of papers in the top 10 per cent of journals as defined by Citescore - 10%  
- Field weighted citation index of papers produced by the university - 10%  
- Number of publications - 7%  
**Public access to university libraries 3.8%**

**SDG 12 (229):** Responsible consumption and production  
- Proportion of papers in the top 10 per cent of journals as defined by Citescore - 10%  
- Field weighted citation index of papers produced by the university - 10%  
- Number of publications - 7%

**SDG 13 (260):** Climate action  
- Proportion of papers in the top 10 per cent of journals as defined by Citescore - 10%  
- Field weighted citation index of papers produced by the university - 10%  
- Number of publications - 7%

**SDG 16 (276):** Peace, justice and strong institutions  
- Proportion of papers in the top 10 per cent of journals as defined by Citescore - 10%  
- Field weighted citation index of papers produced by the university - 10%  
- Number of publications - 7%

**SDG 17 (489):** Partnerships for the goals  
- Proportion of academic publications with co-author from another country - 14%  
- Number of papers relating to the 11 SDGs - 13%