Research Metrics Part 3- Workbook

Finding a database

For many of the exercises you will need to find a database in SOLO and use it to explore Metrics tools. Use the following instructions to find a database.

1. Open SOLO (solo.bodleian.ox.ac.uk) and sign-in with your SSO.
2. Using the search box on SOLO, search for the name of the database requested in the exercise
    - **Web of Science Core Collection**
    - **Scopus**
    - **Dimensions**
3. Click the green **Online access** link from the SOLO record for the database.
4. On the next screen that appears click **'Link to Database'.** This should load the homepage of the database in your browser.

Step 1. Activity A – Finding an H-index

The H-index is a metric which is used to try and quantify the academic impact of an individual researcher. For this exercise you may choose **one option** from the following services to find an academic's h-index.

- Web of Science
- Scopus
- Google Scholar

Web of Science

Questions

1. Do you notice any author records that might also belong to Sarah Gilbert?

2. What is the h-index for Sarah Gilbert?

3. How many publications is the h-index based on (note that in WoS the h-index includes self-citations)?

Instructions

Follow these instructions to find the answers.

Step 1. Open Web of Science via SOLO

Step 2. Click the **Researchers** tab.

Step 3. Run a search for Gilbert, Sarah C, the virologist at the Jenner Institute, who co-developed the Oxford–AstraZeneca COVID-19 vaccine. Enter the surname and first name and initial into the appropriate boxes on the search.

Step 4. Click the **Search** button.

Step 5. From the results, select the record with a green tick - the green tick acknowledges the record which has been claimed by the author.

Step 6. Answer question 1 **- Do you notice any author records that might also belong to Sarah Gilbert?**

Step 7. In the **Metrics** panel, find and click the **View Citation Report** button.

Step 8. This screen will give you an overview of the author's publications and the number of times they have been cited. This data is also used here to calculate the author's h-index.

Step 9. Note there are two figures for citation counts, one with and one without self-citations.

Step 10. Answer question 2 - What is the h-indexes for Sarah Gilbert?

Step 11. Answer question 3 – **How many publications is the h-index based on (note that in WoS the h-index includes self-citations)?**

Scopus

Questions:

1. What is Sarah Gilbert's h-index?

2. How many publications is the h-index based on?

Instructions

Follow these instructions to find the answers.

Step 1. Open Scopus via SOLO.

Step 2. Instead of the **Documents** tab, this time select the **Authors** tab and run a search for the author, Gilbert ,Sarah C, the virologist at the Jenner Institute, who co-developed the Oxford–AstraZeneca COVID-19 vaccine.

Step 3. Tick the record and click on the author's name to access the author's full profile. This profile summarises the number of publications and citations an author has received along with a calculation of their h-index.

Step 4. Answer question 1 **- What is Sarah Gilbert's h-index?**

Step 5. Look directly underneath the summary chart of Document & citation trends. You will see two links.

Step 6. Click **Citation overview** to view publications included in the h-index.

Step 7. Answer question 2 - **How many publications is the h-index based on?**

Step 8. Click **Analyze author output** to view the overall author's performance by journal title, subject, year, and co-authors.

Step 9. The **Author Metrics** tab also provides additional metrics for the author's performance.

Google Scholar

Questions

1. What is the difference between the two h-indexes Google Scholar gives you?

2. What is Sarah Gilbert's main h-index score?

3. Can you see the details of all the papers on which the h-index calculation has been based?

Instructions

Follow these instructions to find the answers.

Step 1. Go to https://scholar.google.com/

Step 2. Type **Sarah C Gilbert** in the Google Scholar search box and click search. Sarah Gilbert is the virologist at the Jenner Institute, who co-developed the Oxford–AstraZeneca COVID-19 vaccine.

Step 3. In the results list, look for a **User profile** result rather than a document or citation result.

Step 4. In the User Profile. Find the **H-index** on the right of the screen.

Step 5. There are two different h-indexes shown.

Step 6. Answer question 1 - **What is the difference between the two h-indexes Google Scholar gives you?**

Step 7. Answer question 2 - **What is Sarah Gilberts main h-index score?**

Step 8. Answer question 3 - **Can you see the details of all the papers on which the h-index calculation has been based?**

Step 10. Note that Google scholar has some additional metrics including the i10-index and an indication of how much of the author's research is publicly accessible.

Step 11. Author profiles in Google Scholar are sometimes associated with particular research areas or fields. Look on Sarah Gilbert's profile, to the right of her profile picture and you will see **Vaccines** under the author's address. To identify other top profiles in the same research area, click on **Vaccines**.

Setting up your ORCID

ORCID

It is quick and easy to set up your ORCID number at Oxford. If you already have an existing ORCID, you can link it to your Oxford University affiliation. Many publishers and funders will require your ORCID so it is a good idea to set one up as soon as you can. Having your ORCID also gives you an easy way to let people link to your research outputs and information about your academic career.

Registering for an ORCID number through the University website
https://register.it.ox.ac.uk/self/orcid

Follow the on-screen instructions to set up your ORCID or attach an existing ORCID to your Oxford affiliation.

More information about ORCID is here - https://orcid.web.ox.ac.uk/home