OpSciHack

DEVELOPING DIGITAL HEALTH SOLUTIONS WITH AND FOR OPEN SCIENCE

What is Open Science?

Open Science isn't just a trend; it's a powerful movement taking center stage in the research community. But what does Open Science really mean? And more importantly, how can you actively adopt its principles?

Get ready to dive in because this handbook is your gateway to a curated treasure trove of Open Science resources created by various third-party trailblazers. We're here to fuel your curiosity and equip you with insights as you gear up for the upcoming OpSciHack. Let's explore the world of Open Science together – it's an adventure you won't want to miss!

Understanding open science – UNESCO Open Science tool kit:
https://unesdoc.unesco.org/ark:/48223/pf0000383323

A brilliant way to discover and understand open science – the Dilema game! Developed by Rotterdam University, this is definitely a fun way for you to get to know your team members before OpSciHack:
2020-12-original-dilemma-card-game (eur.nl)

Dive into this article that lays out a roadmap for newcomers! It's tailor-made to steer graduate students and their mentors towards diving headfirst into open science practices while they rock their research project:
https://online.ucpress.edu/collabra/article/7/1/18684/115927/Easing-Into-Open-Science-A-Guide-for-Graduate

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Here is another game to learn about data management. Don't forget to have a game night with your teammates!
https://community.data.4tu.nl/games/

Explore the Three-point FAIRification Framework for a hands-on "how-to" approach to achieving FAIR principles. These principles not only empower individuals to reuse data but also focus on elevating data's accessibility for machines, enabling seamless automated discovery and utilization:
https://www.go-fair.org/fair-principles/

This comprehensive guide, known as The Turing Way book, is a collective effort forged by a diverse community comprising researchers, learners, educators, and various stakeholders. It stands as an open-source, community-fueled manual that paves the path for data science that is reproducible, ethical, inclusive and collaborative: https://zenodo.org/record/6909298

Naturally, the poster child of open science is hard to miss - say hello to open access! If you've ever tussled with a frustrating paywall, you're not alone. But what exactly is open access? And the big question: does it offer a genius solution? Get ready to uncover the answers right here!
https://openaccesseks.mitpress.mit.edu/

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As you delve into this, you'll realize we're part of a wider movement – an open science primer handbook has graced the scene before. But here's the exciting bit: the OG handbook is here, ready to reveal even more insights that might have escaped our radar. Go ahead and explore; there's a wealth of knowledge waiting for you!

https://openscientist.pubpub.org/dash/overview