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| Tim Williams | | |
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| Linked Data & Knowledge Graph architect and educator. [F.A.I.R.](https://www.go-fair.org/fair-principles/) data advocate. Over fifteen years of experience in the pharmaceutical industry, preceded by ten years in healthcare and environmental informatics. | | |
| **Contact**  http://localhost:8000/dev/images/email.jpg [LinkedDataTim@gmail.com](mailto:LinkedDataTim@gmail.com) http://localhost:8000/dev/images/linkedInIcon.png <https://www.linkedin.com/in/timpwilliams/> http://localhost:8000/dev/images/Twitter.png [@NovasTaylor](https://twitter.com/NovasTaylor) | | |
| **Skills**  Certified Scrum PSPO  Team Leadership  Project Management  Communications  Course Development & Instruction  Systems Validation  Data Visualization | | |
| **Software & Languages** | | |
| * RDF & Property Graph * OWL * SPARQL * SHACL | | * Protégé * R, R Shiny * SAS * Git |
| **Awards and Activities** | | |
| **2018 –**  **2019** | Steering Committee, PhUSE Computational Science Symposium | |
| **2018** | PhUSE Outstanding Contributor, Americas | |
| **2016** | **Best Paper**, Data Visualization. EUConnect16 | |
| **2013** | **Best Paper**, Applications and Software Development EUConnect13 | |

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| **Projects and Workshops** | |
| **Author and Instructor**: *Let's Make a Knowledge Graph!* <http://bit.ly/learnkg>  A hands-on, interactive workshop introducing RDF Knowledge Graphs.  **Project Co-lead**: 1. *Study Data Validation and Submission Conformance.* (2020) [https://phuse-org.github.io/SENDConform](https://phuse-org.github.io/SENDConform/). A PHUSE, FDA, Academia collaboration. Cancelled due to pandemic.  *2. Going Translational with Linked Data.* (2018-2019) <http://bit.ly/ctdasrdf>  Ontology-based modeling of clinical trials results data with conversion to RDF.  3. *RDF Data Cubes for Clinical Research & Development* (2016) <http://bit.ly/cuberdf>  **Co-Author**: *Unique Identifiers for Pharma* <http://bit.ly/UIDPharma> | |
| **Presentations and Publications**  **A Gateway to Knowledge Graphs.** KG for personal use. 2021.https://bit.ly/KGGateway  **Knowledge Graph Visualization** (for fun). 2021. https://bit.ly/KG-VisChallenge  **Knowledge Graphs: Shaping our Data Future.** Presentation to Accenture Federal Services 2020. <http://bit.ly/KGShapeDataFuture>  **How Knowledge Graphs will Transform the Pharmaceutical Industry.** PHUSE/Stardog webinar 2020. [http:/bit.ly/KGTransPharma](http://bit.ly/KGTransPharma)  Williams, T. **Building a FAIR Foundation for Pharma**. PHUSE EUConnect 2019; Amsterdam.  [bit.ly/eucon19](http://bit.ly/eucon19" \t "_blank)  **Toward F.A.I.R. Pharma. PhUSE Initiatives Past and Present.** Presented at Semantics@Roche 2019; Basel. <http://bit.ly/fairpharm>  **Knowledge Graphs for Pharma**. Presented at Pistoia Alliance, 2019. <http://bit.ly/kgpharm>  **Semantic Web in the Pharmaceutical Industry: A Landscape of Challenges and Opportunities**. Presented at SWAT4HCLS 2018; Antwerp. <http://bit.ly/swpharm>  Williams, T. **Overcoming Resistance to Technology Change: A Linked Data Perspective.** PhUSE EUConnect 2018; Frankfurt. <http://bit.ly/eucon18>  Oliva, A. and T. Williams. **Transforming Clinical Trials with Linked Data.** PhUSE USConnect 2018; Raleigh. <http://bit.ly/uscon18>  Williams, T. and A. Oliva. **Breaking the Mould: Clinical Trials Data as RDF**. PhUSE EUConnect 2017; Edinburgh. <http://bit.ly/eucon17>  Williams, T. **Interactive Visualization of Linked Data**. ***[Best Paper, Data Visualization]*** PhUSE EUConnect 2016; Barcelona. <http://bit.ly/eucon16>  Andersen, A and T. Williams. **'Dude, where's my graph?' RDF Data Cubes for Clinical Trials Data**. PhUSE EUConnect 2015; Vienna. <http://bit.ly/eucon15>  Williams, T. **A Primer on Converting Analysis Results Data to RDF Data Cubes using Free and Open Source Tools.** PhUSE EUConnect 2014; London. <http://bit.ly/eucon14> | |
| **Work Experience** | |
| **2012 - present** | **Principal Statistical Solutions Analyst**  *UCB Biosciences*   * New technologies for data modeling, analytics, and data visualization |
| **2008 - 2012** | **Senior Applications Manager**  *UCB Biosciences*   * Systems selection, validation, and support for Global Statistical Programming. |
| **2002 - 2008** | **System Administrator**  *PRA Health Sciences (now ICON)*   * SAS systems administration, validation, deployment, international licensing * Course development and instruction, support of 250+ programmers. |
| ***Previous*** | **Principal SAS Programmer, Computer Systems Analyst,**  **Research Associate (Epidemiology)** |
| **Education**  **BSc., MSc. Biology**  *University of New Brunswick, Canada*  President, UNB Biology Society | |