|  |  |  |
| --- | --- | --- |
| Tim Williams | | |
|  | | |
| Linked Data & Knowledge Graph architect, practitioner, and educator. [F.A.I.R.](https://www.go-fair.org/fair-principles/) data advocate. Over fifteen years of experience in the pharmaceutical industry and a previous ten in healthcare and environmental informatics. | | |
| **Contact**  http://localhost:8000/dev/images/email.jpg [NovasTaylor@gmail.com](mailto:NovasTayor@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**  Team Leadership  Project Management  Communications  Course Development & Instruction  Systems Validation | | |
| **Software & Languages** | | |
| * R, RShiny * SAS * Protégé * RDF Triplestores | | * RDF * OWL * SPARQL * D3JS |
| **Award and Activities** | | |
| **2018 –**  **present** | Steering Committee, PhUSE Computational Science Symposium | |
| **2018** | [PhUSE Outstanding Contributor, Americas](https://www.phusenews.eu/news/wi18-outstanding-contributors) | |
| **2016** | **Best Paper**, Data Visualization. EUConnect16 | |
| **2013** | **Best Paper**, Applications and Software Development EUConnect13 | |

|  |  |
| --- | --- |
| **Projects and Workshops** | |
| **Author and Instructor**: *Let's Make a Knowledge Graph!*  [[Github](https://github.com/phuse-org/LinkedDataWorkshop)]  An interactive, two-hour, introductory workshop to RDF Knowledge Graphs.  **Project Co-lead**: *Clinical Trials Data as RDF* [[Github](https://github.com/phuse-org/CTDasRDF)]  Ontology-based modeling of clinical trials results data (Study Data Tabulation Model) as RDF.  **Project Co-lead**: *RDF Data Cubes for Clinical Research & Development* (2016) [[Github](https://github.com/phuse-org/rrdfqbcrnd)]  **Contributor**: *Unique Identifiers for Pharma* [[Github](https://github.com/phuse-org/LinkedDataEducation/blob/master/doc/URIsForPharma.md)] | |
| **Publications and Presentations**  Presentation: **Toward F.A.I.R. Pharma. PhUSE Initiatives Past and Present.** Semantics@Roche 2019; Basel. [[slides](https://novastaylor.github.io/TimWilliams/Publications/Roche-FAIRPharma-Slides.pdf)]  Presentation: **Knowledge Graphs for Pharma**. Pistoia Alliance, 2019. [[slides](https://novastaylor.github.io/TimWilliams/Publications/PistoiaA-KGPharma-Slides.pdf)]  Presentation: **Semantic Web in the Pharmaceutical Industry: A Landscape of Challenges and Opportunities**. SWAT4HCLS 2018; Antwerp. [[slides](https://novastaylor.github.io/TimWilliams/Publications/SWAT4HCLS-2018-SemWebInPharma.pdf)]  Williams, T. **Overcoming Resistance to Technology Change: A Linked Data Perspective.** PhUSE EUConnect 2018; Frankfurt. [[paper](https://novastaylor.github.io/TimWilliams/Publications/EUConnect18-ResTechChange-Paper.pdf)]  Oliva, A. and T. Williams. **Transforming Clinical Trials with Linked Data.** PhUSE USConnect 2018; Raleigh. [[paper](https://novastaylor.github.io/TimWilliams/Publications/USConnect18-TransformTrials-Paper.pdf)]  Williams, T. and A. Oliva. **Breaking the Mould: Clinical Trials Data as RDF**. PhUSE EUConnect 2017; Edinburgh. [[paper](https://novastaylor.github.io/TimWilliams/Publications/EUConnect17-BreakMoldRDF-Paper.pdf)]  Williams, T. **Interactive Visualization of Linked Data**. ***[Best Paper, Data Visualization]*** PhUSE EUConnect 2016; Barcelona. [[paper](https://novastaylor.github.io/TimWilliams/Publications/EUConnect16-VisLinkedData-Paper.pdf)]  Andersen, A and T. Williams. **'Dude, where's my graph?' RDF Data Cubes for Clinical Trials Data**. PhUSE EUConnect 2015; Vienna. [[paper](https://novastaylor.github.io/TimWilliams/Publications/EUConnect15-WhereMyGraph-Paper.pdf)]  Williams, T. **A Primer on Converting Analysis Results Data to RDF Data Cubes using Free and Open Source Tools.** PhUSE EUConnect 2014; London. [[paper](https://novastaylor.github.io/TimWilliams/Publications/EUConnect14-ConvertRDFCube-Paper.pdf)]  Williams, T. **A Guide to Deploying Subversion for Version Control of SAS Programs in the Pharmaceutical Industry**. [***Best Paper, Applications and Software Development*]** PhUSE EUConnect 2013; Brussels. [[paper](https://novastaylor.github.io/TimWilliams/Publications/EUConnect13-DeploySVN-Paper.pdf)] | |
| **Work Experience** | |
| **2012 - present** | **Statistical Solutions Analyst**  *UCB Biosciences*   * New technologies for analytics and data visualization. * Business Lead: Validated R Studio and R Shiny platform deployment * Founder: UCB R Interest Group |
| **2002 - 2008** | **Applications Manager**  *UCB Biosciences*   * Systems selection, validation, and support for Global Statistical Programming. * Computerized systems validation and life cycle management. * Training and support for international programming teams. |
|  | **System Administrator**  *PRA Health Sciences*   * 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 | |