

Education

- 1991–1997 **Ph.D. in Chemistry**, *New York University*, New York, USA
1981–1985 **B.Sc. in Chemistry**, *Universidad Peruana Cayetano Heredia*, Lima, Perú

Work Experience

- 2022– **Specialist consultant on digital modernization and transformation, and data interoperability for health surveillance**, *INSIGHT Project: University of Washington and Universidad Peruana Cayetano Heredia*, Remote and on location
- 2022–2023 **Data Engineer and Remote consultant**, *King Abdullah University of Science and Technology*, Thuwal, Kingdom of Saudi Arabia
Organization, management and creation of data processing pipelines and data quality systems for the KAUST Research Operations Office.
- 2019–2021 **Innovation and Data Analyst**, *Universidad de Lima*, Lima, Perú
Analyze new technological trends and their applicability in a university setting. Promote and participate in digital transformation and automatization initiatives. Identify, prioritize and define the specific data and information requirements in the framework of a integrated business intelligence model.
- 2017–2018 **Senior Technical Advisor to the National Head**, *Oficina Nacional de Procesos Electorales (ONPE)*, Lima, Perú
Planning and advising on the application of computational technologies (distributed processing, Blockchain, Homomorphic Encryption, etc.), as well as performing data analysis (Machine/Deep Learning, interactive visualizations, etc.) to support the planning and evaluation of electoral processes, decision making, and laying the foundations for future innovations. Promotion and coordination of all related actions on Digital Government and its impact ONPE
- 2015–2017 **Information Technology Office Head(a.i.)**, *Consejo Nacional de Ciencia, Tecnología e Innovación Tecnológica (CONCYTEC)*, Lima, Perú
- 2009–2015 **Head(a.i.) of Databases and Applications**, *University IT Office, Universidad Peruana Cayetano Heredia*, Lima, Perú
- 2007–2015 **Head of Software Research and Development**, *University IT Office, Universidad Peruana Cayetano Heredia*, Lima, Perú
- 2005–2011 **Professor at the Departamento Académico de Química**, *Facultad de Ciencias y Filosofía, Universidad Peruana Cayetano Heredia*, Lima, Perú
- 2003–2004 **Programmer/Analyst III**, *San Diego Supercomputer Center*, San Diego, CA, USA
Consulting on planning, design and implementation for internalSDSC/UCSD, and external projects using web services and a SOA (Service Oriented Architecture) to develop distributed systems for bioinformatics and massive/parallel data analysis.
- 1997–2003 **Postdoctoral Research Associate**, *The Scripps Research Institute*, San Diego, CA, USA
Postdoctoral research in bioinformatics and metalloprotein design.

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Scientific Research

- 2005–2015 **Research Scientist**, *Universidad Peruana Cayetano Heredia*, Lima, Perú
Research and development in Computational Chemistry/Chemoinformatics, Bioinformatics and Biomedical Informatics
- 2003–2004 **Programmer/Analyst III**, *San Diego Supercomputer Center*, San Diego, CA, USA
Bioinformatics data and web services integration in the Scientific Computing Division, Data Intensive Group
- 1997–2003 **Postdoctoral Research Associate**, *The Scripps Research Institute*, San Diego, CA, USA
Research in bioinformatics, including the design and implementation of a database of metal-binding sites in proteins, with web-based interactive as well as application programming interfaces (using REST, XML-RPC, and SOAP). This research involved also the creation of tools for the analysis of the geometrical information indexed in the Metalloprotein Database and Browser (MDB: <http://metallo.scripps.edu>), for the computational design of metalloprotein sites. This research is part of the Metalloprotein Structure and Design Program Project at TSRI.
- 1991–1997 **Graduate Student**, *New York University*, New York City, NY, USA
Computational studies on the modeling of 5-coordinate Zn(II)-tripodal organic ligand complexes. Synthesis and physical studies of the chiroptical and fluorescence properties of divalent metal-chiral ligand complexes. Studies on the design and synthesis of conductive polymers related to polyaniline (PANI).
- 1985–1989 **Research Student**, *Universidad Peruana Cayetano Heredia*, Lima, Perú
Research on the isolation and quantification of steroidal sapogenins from plants of the genera *Dioscorea* from the Peruvian jungle. Research on the isolation of active principles from plants with contraceptive properties. Synthesis and physical studies of 1,2-dithiol-3-thione aromatic heterocyclic systems.
- 1984–1985 **Undergraduate Student**, *Universidad Peruana Cayetano Heredia*, Lima, Perú
Undergraduate Research on Natural Products isolation and identification from plants of the Peruvian Andes and the Amazon Region.

Teaching

- 2005–2015 **Professor**, *Universidad Peruana Cayetano Heredia*, Lima, Perú
Miscellaneous Post-graduate classes and courses in Computational Chemistry, Bioinformatics, Biomedical Informatics and Software Engineering (including distributed systems, web services, clusters, cloud computing, etc.)
- 2000–2003 **Postdoctoral Research Associate**, *The Scripps Research Institute*, San Diego, CA, USA
Workshops on the theory and practice of Structural Bioinformatics, in relation to the Metalloprotein Database and Browser (MDB).
- 1992–1996 **Teaching Assistant**, *New York University*, New York City, NY, USA
Lectures for the undergraduate Organic Chemistry courses
- 1991–1996 **Teaching Assistant**, *New York University*, New York City, NY, USA
Lab practice for the undergraduate Organic Chemistry courses
- 1985–1990 **Instructor/Teacher**, *Department of Chemistry, Universidad Peruana Cayetano Heredia*, Lima, Perú
Undergraduate courses: "Introduction to Chemistry" (Odontology majors), "Physical-Chemistry I" and "Physical-Chemistry II" (Science majors).
Graduate course: "Optical Methods of Analysis and Chromatographic Separations"

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- 1985–1990 **Teacher**, *Centro de Estudios Pre-Universitarios (CEPU)*, Lima, Perú
Pre-college level course in Chemistry. CEPU is the prep-school for Universidad Peruana Cayetano Heredia
- 1984–1987 **Teaching Assistant**, *Universidad Peruana Cayetano Heredia*, Lima, Perú
Dept. of Chemistry: “Optical Methods of Analysis and Chromatographic Separations”
Dept. of Physics and Mathematics: “Physical-Mathematics I” and “Physical-Mathematics II”

Independent Coursework

- 2020 “Specialization Certificate: Advanced Business Analytics”. February, 2020. University of Colorado Boulder, Coursera
- 2020 “Advanced Business Analytics Capstone”. February, 2020. University of Colorado Boulder, Coursera
- 2019 “Communicating Business Analytics Results”. October, 2019. University of Colorado Boulder, Coursera
- 2019 “Business Analytics for Decision Making”. October, 2019. University of Colorado Boulder, Coursera
- 2019 “Predictive Modeling and Analytics”. September, 2019. University of Colorado Boulder, Coursera
- 2019 “Introduction to Data Analytics for Business”. September, 2019. University of Colorado Boulder, Coursera
- 2019 “Zero to Deep Learning Bootcamp Three - Working with Convolutional and Recurrent Neural Networks”. August, 2019. Cloud Academy
- 2019 “Zero to Deep Learning Bootcamp Two - Getting Started With Deep Learning”. August, 2019. Cloud Academy
- 2019 “Zero to Deep Learning Bootcamp One - Introduction to Data Science and Machine Learning”. August, 2019. Cloud Academy
- 2019 “Machine Learning on Google. Cloud Platform”. August, 2019. Cloud Academy
- 2019 “Cloud Analytics Academy: Data-Driven Marketing”. March, 2019. Cloud Analytics Academy
- 2019 “Cloud Analytics Academy: Executive Fast Track”. March, 2019. Cloud Analytics Academy
- 2019 “Cloud Analytics Architect”. March, 2019. Cloud Analytics Academy
- 2019 “Cloud Analytics Master”. March, 2019. Cloud Analytics Academy
- 2019 “Cloud Analytics Practitioner”. March, 2019. Cloud Analytics Academy
- 2019 “Elements of AI”. March, 2019. University of Helsinki / Reaktor
- 2017 “IDB10x: Datos para la efectividad de las políticas públicas”. September, 2017. Inter-American Development Bank, edX
- 2016 “DS101x: Data Science Ethics”. June, 2016. University of Michigan, edX
- 2015 “DAT203x Data Science and Machine Learning Essentials”. August, 2015. Microsoft, edX
- 2015 “Developing Data Products”. August, 2015. Johns Hopkins University, Coursera
- 2015 “Practical Machine Learning”. June, 2015. Johns Hopkins University, Coursera
- 2015 “15.071X The Analytics Edge”. March, 2015. MITx, edX

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- 2015 “PH525.2x Matrix Algebra and Linear Models”. February, 2015. HarvardX, edX
- 2015 “Regression Models”. January, 2015. Johns Hopkins University, Coursera
- 2014 “Statistical Inference”. August, 2014. Johns Hopkins University, Coursera
- 2014 “Reproducible Research”. August, 2014. Johns Hopkins University, Coursera
- 2014 “Exploratory Data Analysis”. July, 2014. Johns Hopkins University, Coursera
- 2014 “Getting and Cleaning Data”. July, 2014. Johns Hopkins University, Coursera
- 2014 “R Programming”. June, 2014. Johns Hopkins University, Coursera
- 2014 “The Data Scientist’s Toolbox”. June, 2014. Johns Hopkins University, Coursera
- 2014 “PH525x Data Analysis for Genomics”. April, 2014. HarvardX, edX
- 2014 “Analytics Platform Principles”. March, 2014. Google Analytics Academy (<https://analyticsacademy.withgoogle.com/course02>)
- 2014 “Making Sense of Data”. February, 2014. Google (<https://datasense.withgoogle.com/course>)
- 2014 “StatLearning Statistical Learning”. January, 2014. Stanford University, OpenEdX
- 2014 “Statistical Reasoning for Public Health: Estimation, Inference, & Interpretation”. January, 2014. Johns Hopkins University, Coursera
- 2013 “Digital Analytics Fundamentals”. October, 2013. Google Analytics Academy (<https://analyticsacademy.withgoogle.com/course01>)
- 2013 “Data Analysis”. October, 2013. Johns Hopkins University, Coursera
- 2013 “Computing for Data Analysis”. September, 2013. Johns Hopkins University, Coursera
- 2013 “Data Management for Clinical Research”. September, 2013. Vanderbilt University, Coursera
- 2013 “Introduction to Data Science”. May, 2013. University of Washington, Coursera
- 2012 “PH207x Health in Numbers: Quantitative Methods in Clinical and Public Health Research”. October, 2012. HarvardX, edX
- 2005 “Certification on Ethics in Research”. August, 2005. PHI

Miscellaneous

- 2020–2021 Member of an advisory group on prospective analysis of COVID-19 for the Ministry of Health, Peru (RM 412-2020-MINSA, 2020-06-18: <https://www.gob.pe/institucion/minsa/normas-legales/704773-412-2020-minsa>)
- 2015 Community TA in the Coursera courses: “The Data Scientist’s Toolbox” (Jan. 2015), “R Programming” (Jan. 2015), “Getting and Cleaning Data” (Feb. 2015), “Exploratory Data Analysis” (Feb. 2015)
- 2010 Judge in the Final round of the “2010 Talent and Innovation Competition of the Americas” (June, 2010 – Lima, Perú). Young Americas Business Trust, Organization of American States
- 2009–2010 Director of Technology Transfer at “ACT Technopark IDI” March 23, 2009 - March 23, 2010. Lima, Perú
- 2009 Member of a thesis evaluation committee for a student opting for the Licenciante in Science with mention in Biology (June, 2009), Universidad Peruana Cayetano Heredia, Lima, Perú

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- 2009 Designated as member of a committee for the evaluation and revalidation of a Doctoral degree conferred in a foreign institution (January, 2009), Universidad Peruana Cayetano Heredia. Lima, Perú.
- 2005–now Various consulting jobs for the public sector about the requisition, design, development, monitoring and auditing of software for the health sector.
- 2005–2007 Technical Consultant on Biomedical Information Systems and Software Development for Proyecto VIGIA, a joint project of the Peruvian Ministry of Health and USAID, Lima, Perú.
- 2003 Invited to FOO Camp by Tim O'Reilly (October 10-12). A gathering of "... about 200 people who're doing interesting work in fields such as wireless, web services, open source, programming, GPD, and all manner of emerging technologies ..." (from the Foo Camp Wiki, <https://web.archive.org/web/20130903181429/http://wiki.oreillynet.com/foo-camp/index.cgi>)
- 2003–2007 Elected as member of the PEAR group, the governing body of the PEAR project (PHP Extensions and Applications Repository).
- 2002–now Member (Software developer) of the PHP Extensions and Applications Repository (PEAR, <http://pear.php.net>)
- 1996 (April 29-30) Chemistry Panel Study Group, United States Civilian Research and Development Foundation, For the Independent States of the Former Soviet Union (CRDF).

Awards

- 1997 (Spring Semester) New York University, Graduate School of Arts and Sciences Student Conference Travel Award. (National ACS Meeting, San Francisco).
- 1996–1997 New York University, Graduate School of Arts and Sciences Dean's Dissertation Fellowship.
- 1995 (Spring Semester) New York University, Graduate School of Arts and Sciences Student Conference Travel Award. (National ACS Meeting, Anaheim).
- 1981–1985 Japan International Cooperation Agency (JICA), scholarship for college level study at the Universidad Peruana Cayetano Heredia, Lima, Perú.

Professional memberships

- 1991–2006 American Chemical Society (ACS), Division of Organic Chemistry (ORG).
- 1991–2006 American Chemical Society (ACS), Division of Computers in Chemistry (COMP).

Online profiles

Google Scholar

http://scholar.google.com/citations?user=Bt2oS_cAAAAJ&hl=en&oi=ao

Microsoft Academic Profile

<https://academic.microsoft.com/profile/e9jh4g54-f022-4957-9e36-f7g213he26fi/jmcastagnetto/>

OCLC WorldCat list of publications

<https://www.worldcat.org/profiles/jmcastagnetto/lists/3026526>

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ORCID public profile

<http://orcid.org/0000-0002-7188-1605>

Scopus public profile

<http://www.scopus.com/authid/detail.url?authorId=6506917131>

ResearcherID public profile

<http://www.researcherid.com/rid/F-4998-2012>

ResearchGate public profile

http://www.researchgate.net/profile/Jesus_Castagnetto

OpenHub public profile

<https://www.openhub.net/accounts/jmcastagnetto/>

LinkedIn

<http://www.linkedin.com/in/jesuscastagnetto>

Github

<https://github.com/jmcastagnetto>

Slideshare

<http://www.slideshare.net/jesus.castagnetto/>

Languages

Spanish Mother tongue

English Advanced level

Theses

- 1997** CASTAGNETTO, J.M. *Computational modeling and physical studies of metal-ligand complexes*. Ph.D. dissertation, New York University, NY, USA. 1997. UMI: No. DA9808357, OCLC No. 79735965, ISBN 0-591-58718-1.
- 1989** CASTAGNETTO, J.M. *Síntesis y caracterización del sistema 1,2-ditio-3-tiona aromático*. B.Sc. thesis, Universidad Peruana Cayetano Heredia, Lima, Perú. 1989.

Book

- 1999** CASTAGNETTO, J.M.; RAWAT, H.; SCHUMANN, S.; SCOLLO, C.; VELIATH, D. *Professional PHP Programming*. Wrox Press. 1999. ISBN 1861002963. Published on: 1999/12/15.

Peer-reviewed papers

- 2025** CASTAGNETTO, J.M.; HANCCO-MONRROY, D.E.; CABALLERO-APAZA, L.M.; ABARCA-FERNÁNDEZ, D.; CONDORI-CARDOZA, F.A.; DE LAMA-MORÁN, R.; CARHUANCHO-AGUILAR, J.R.; GUTIÉRREZ, S.; GONZALES SOTA, M.H.; BERDUZCO-TORRES, N.; DELGADO BOLTON, R.C.; VIVANCO, L. "Professionalism, Emotional Wellbeing, and Dropout Intention in Health Professions Students during the Pandemic". *Scientific Data*. 2025; 12(1):1259. ISSN 2052-4463. DOI: 10.1038/s41597-025-05508-5.

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- 2024** HANCCO-MONRROY, D.E.; CABALLERO-APAZA, L.M.; ABARCA-FERNÁNDEZ, D.; CASTAGNETTO, J.M.; CONDORI-CARDOZA, F.A.; DE LAMA MORAN, R.; CARHUANCHO-AGUILAR, J.R.; GUTIERREZ, S.; GONZALES, M.; BERDUZCO, N.; DELGADO BOLTON, R.C.; SAN-MARTÍN, M.; VIVANCO, L. "Medical Professionalism and Its Association with Dropout Intention in Peruvian Medical Students during the COVID-19 Pandemic". *Behavioral Sciences*. 2024; 14(8). ISSN 2076-328X. DOI: 10.3390/bs14080641.
- 2023** QUISPE, A.M. CASTAGNETTO, J.M. "Monkeypox in Latin America and the Caribbean: assessment of the first 100 days of the 2022 outbreak". *Pathogens and Global Health*. 2023; 0(0):1–10. DOI: 10.1080/20477724.2023.2201979. PMID: 37057838.
- 2020** CASTAGNETTO, J.M.; SEGOVIA-JUAREZ, J.; GONZALES, G.F. "Letter to the Editor: COVID-19 Infections Do Not Change with Increasing Altitudes from 1,000 to 4,700 m". *High Altitude Medicine & Biology*. 2020; DOI: 10.1089/ham.2020.0173. PMID: 33054403.
- SEGOVIA-JUAREZ, J.; CASTAGNETTO, J.M.; GONZALES, G.F. "High altitude reduces infection rate of COVID-19 but not case-fatality rate". *Respiratory Physiology & Neurobiology*. 2020; 281:103494. ISSN 1569-9048. DOI: <https://doi.org/10.1016/j.resp.2020.103494>.
- 2015** GARCÍA, P.J.; EGOAVIL, M.S.; BLAS, M.M.; ALVARADO-VÁSQUEZ, E.; CURIOSO, W.H.; ZIMIC, M.; CASTAGNETTO, J.M.; LESCANO, A.G.; LOPEZ, D.M.; CÁRCAMO, C.P. "Primer programa universitario de diplomado virtual y maestría en informática biomédica en el Perú". *Rev Peru Med Exp Salud Publica*. 2015; 32(2):356–360.
- 2011** BLAS, M.M.; CURIOSO, W.H.; GARCIA, P.J.; ZIMIC, M.; CARCAMO, C.P.; CASTAGNETTO, J.M.; LESCANO, A.G.; LOPEZ, D.M. "Training the biomedical informatics workforce in Latin America: results of a needs assessment." *BMJ Open*. 2011; 1(2):e000233. DOI: 10.1136/bmjopen-2011-000233.
- 2010** CURIOSO, W.H.; ROMAN, H.; PEREZ-LU, J.; CASTAGNETTO, J.M.; GARCÍA, P.J. "Mejorando los sistemas de información en salud materna: validación de historias clínicas electrónicas en el Callao, Perú [Improving maternal health information systems: validation of electronic medical records in Callao, Peru]". *Rev Peru Med Exp Salud Publica*. 2010; 27(3):487–489.
- 2009** KIMBALL, A.M.; CURIOSO, W.H.; ARIMA, Y.; FULLER, S.; GARCIA, P.J.; SEGOVIA-JUAREZ, J.; CASTAGNETTO, J.M.; LEON-VELARDE, F.; HOLMES, K.K. "Developing capacity in health informatics in a resource poor setting: lessons from Peru." *Hum Resour Health*. 2009; 7:80. DOI: 10.1186/1478-4491-7-80.
- CURIOSO, W.H.; PEINADO, J.; RUBIO, C.F.; LAZO-ESCALANTE, M.; CASTAGNETTO, J.M. "Biomedical and health informatics in Peru: significance for public health." *Health Info Libr J*. 2009; 26(3):246–251. DOI: 10.1111/j.1471-1842.2009.00857.x.
- 2008** BERNABE-ORTIZ, A.; CURIOSO, W.H.; GONZALES, M.A.; EVANGELISTA, W.; CASTAGNETTO, J.M.; CARCAMO, C.P.; HUGHES, J.P.; GARCIA, P.J.; GARNETT, G.P.; HOLMES, K.K. "Handheld computers for self-administered sensitive data collection: a comparative study in Peru." *BMC Med Inform Decis Mak*. 2008; 8:11. DOI: 10.1186/1472-6947-8-11.

- 2007** CURIOSO, W.H.; KIMBALL, A.M.; GARCIA, P.J.; SEGOVIA-JUAREZ, J.; CASTAGNETTO, J.M.; FULLER, S. "Training biomedical and health informatics professionals in Peru: towards the development of the first graduate diploma program in the country." *AMIA Annu Symp Proc.* 2007; p. 921. PMID: 18694021.
- 2005** ROUSE, R.J.D.; CASTAGNETTO, J.; NIEDNER, R.H. "PatGen—a consolidated resource for searching genetic patent sequences." *Bioinformatics.* 2005; 21(8):1707–1708. DOI: 10.1093/bioinformatics/bti202. PMID: 15728120.
- 2003** FEE, J.A.; CASTAGNETTO, J.M.; CASE, D.A.; NOODLEMAN, L.; STOUT, C.D.; TORRES, R.A. "The circumsphere as a tool to assess distortion in [4Fe-4S] atom clusters." *J Biol Inorg Chem.* 2003; 8(5):519–526. DOI: 10.1007/s00775-003-0445-8.
- 2002** CASTAGNETTO, J.M.; HENNESSY, S.W.; ROBERTS, V.A.; GETZOFF, E.D.; TAINER, J.A.; PIQUE, M.E. "MDB: the Metalloprotein Database and Browser at The Scripps Research Institute." *Nucleic Acids Res.* 2002; 30(1):379–382. PMID: 11752342.
- 1999** CASTAGNETTO, J.M.; HENNESSY, S.W.; PIQUE, M.; GETZOFF, E.D.; TAINER, J.A. "The metalloprotein site database and browser". *J. Inorg. Biochem.* 1999; 74(1-4):90.
- 1998** CANARY, J.W.; ALLEN, C.S.; CASTAGNETTO, J.M.; CHIU, Y.H.; TOSCANO, P.J.; WANG, Y. "Solid state and solution characterization of chiral, conformationally mobile tripodal ligands". *Inorganic Chemistry.* 1998; 37(24):6255–6262.
- CANARY, J.W.; ALLEN, C.S.; CASTAGNETTO, J.M.; CHUANG, C.L.; LAJMI, A.R.; DOS SANTOS, O.; XU, X. "Tripodal Coordination Complexes as Scaffolds for Molecular Recognition and Catalysis". In A.W. Coleman (ed.), "Proceedings of the Ninth International Symposium on Molecular Recognition and Inclusion", Kluwer Academic Publishers, Dordrecht, The Netherlands. 1998; pp. 179–184.
- CASTAGNETTO, J.M. CANARY, J.W. "A chiroptically enhanced fluorescent chemosensor". *Chemical Communications.* 1998; (2):203–204.
- 1997** CASTAGNETTO, J.M.; XU, X.; BEROVA, N.D.; CANARY, J.W. "Absolute configurational assignment of self-organizing asymmetric tripodal ligand-metal complexes." *Chirality.* 1997; 9(5-6):616–622. DOI: 10.1002/(SICI)1520-636X(1997)9:5/6<616::AID-CHIR32>3.0.CO;2-P. PMID: 9329182.
- 1996** CASTAGNETTO, J.M. CANARY, J.W. "Dynamic Control of Topological Asymmetry". In H.S. Rzepa J. Snyder (eds.), "Electronic Conference on Heterocyclic Chemistry (ECHET96)", Royal Society of Chemistry publications. 1996; .
- 1995** CANARY, J.W.; ALLEN, C.S.; CASTAGNETTO, J.M.; WANG, Y. "Conformationally driven, propeller-like chirality in labile coordination complexes". *Journal of the American Chemical Society.* 1995; 117(32):8484–8485.
- CANARY, J.W.; XU, J.; CASTAGNETTO, J.M.; RENTZEPERIS, D.; MARKY, L.A. "Enthalpic Control of Zinc-Water Acidity in Complexes of Tris (2-aminoethyl) amine and Tris (2-(dimethylamino) ethyl) amine". *Journal of the American Chemical Society.* 1995; 117(46):11545–11547.

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- XU, J.; CASTAGNETTO, J.M.; RENTZEPERIS, D.; MARKY, L.M.; CANARY, J.W. "*Thermodynamic Studies of the Deprotonation of Coordinated Water in Zinc Complexes of Tris(2-aminoethyl)amine and Tris(2-dimethylaminoethyl)amine*". *J. Am. Chem. Soc.* 1995; 117(46):11545–11547.

Non peer-reviewed articles

- 2003** CASTAGNETTO, J.M. "*Grokking Stats. Descriptive Stats - a quick tour, their foundations, use and limitations*". *PHP Magazine - International Edition*. 2003; (5):64–69.
- 2000** CASTAGNETTO, J.M. "*XML and PHP. Part 1: Using the WDDX functions*". PHPBuilder.com. 2000. Published on: 2000/04/02.
- 1999** CASTAGNETTO, J.M. "*Processing Variables and Database Connectivity with PHP3*". ASPToday.com. 1999. Published on: 1999/09/03.
- CASTAGNETTO, J.M. "*Generating pronounceable passwords*". PHPBuilder.com. 1999. Published on: 1999/05/02.
- CASTAGNETTO, J.M. "*PHP: An Introduction*". ASPToday.com. 1999. Published on: 1999/05/13.
- CASTAGNETTO, J.M. "*So you want to use a database in your site?*" PHP-Builder.com. 1999. Published on: 1999/03/08.

Presentations at Conferences, Workshops, etc.

- 2020** CASTAGNETTO, J.M. "*Ciencia de Datos y Visualización*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2020-07-20.
- 2019** CASTAGNETTO, J.M. "*El Universo de R*". VI Foro de Transformación del Estado, UTEC Lima, Perú, 2019-09-26.
- 2017** CASTAGNETTO, J.M. "*Big Data y Machine Learning: Conceptos Generales y Ejemplos en Ciencia Ambiental*". Universidad Nacional de Ingeniería, Lima, Perú, 2017-06-09.
- CASTAGNETTO, J.M. "*¿Cómo usar, analizar y visualizar Big Data?*" Universidad Peruana Cayetano Heredia, Lima, Perú, 2017-05-20.
- CASTAGNETTO, J.M. "*¿Cómo desarrollar seguridad en mi sistema de información?*" Universidad Peruana Cayetano Heredia, Lima, Perú, 2017-05-06.
- 2012** CASTAGNETTO, J.M. "*Taller en Metodologías Ágiles de Manejo de Proyectos en Software: SCRUM*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2012-05-12.
- CASTAGNETTO, J.M. "*Taller en Sistemas Distribuidos: Clusters, Grids y Clouds*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2012-05-05.
- CASTAGNETTO, J.M. "*Taller en Introducción a la Programación en PHP*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2012-04-28.
- CASTAGNETTO, J.M. "*Taller en Introducción a la Programación en Python*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2012-04-21.
- 2011** CASTAGNETTO, J.M. "*Trabajando con git: gitflow, indefero y github*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2011-11-11.
- CASTAGNETTO, J.M. "*Introducción a git como sistema de control de versiones distribuido*". Universidad Peruana Cayetano Heredia, Lima, Perú, 2011-11-10.

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