Dr Chung-hong Chan
Researcher
GESIS - Leibniz-Institut für Sozialwissenschaften
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(Last Update: 2025-03-11)

Working experience
- Researcher (2022-) GESIS - Leibniz-Institut für Sozialwissenschaften
- External Fellow (2022-) Mannheim Centre for European Social Science Research, University of Mannheim
- Fellow (2017 - 2022) Mannheim Centre for European Social Science Research, University of Mannheim
- Research Student (2013 - 2017) Journalism and Media Studies Centre, University of Hong Kong
- Research Assistant (2012 - 2013) Journalism and Media Studies Centre, University of Hong Kong
- Research Assistant (2003 - 2012) Department of Paediatrics, Kwong Wah Hospital

Education
- Ph.D. (2013-2017) University of Hong Kong [link]
- MSc in Epidemiology and Biostatistics (2007-2009) Chinese University of Hong Kong
- BSc in Applied Biology with Biotechnology (2000-2003) Hong Kong Polytechnic University

Relevant Publications (communication research / computational methods / Open Science)
1. Schoch D, **Chan CH**, Wagner C, Bleier A (2024). Computational reproducibility in computational social science. *EPJ Data Science* [doi]
2. **Chan CH**, Schatto-Eckrodt T, Gruber J. (2024). What makes computational communication science (ir)reproducible?. *Computational Communication Research* [doi]
3. Jungblut, M., Althaus, S., Bajjalieh, J., **Chan CH**, Welbers, K., van Atteveldt, W., & Wessler, H. (2024). How shared ties and journalistic cultures shape global news coverage of disruptive media events: the case of the 9/11 terror attacks. *Journal of Communication* [doi]

4. **Chan CH**, Freudenthaler R, Müller P. (2024). Developing a synthetic news corpus to validate generic frame detection methods. *SCM Studies in Communication and Media*. [[doi](doi)]

5. TeBlunthuis N, Hase V, **Chan CH**. (2023). Automated Content Misclassification Causes Bias in Regression. Can We Fix It? Yes We Can! *Communication Methods and Measures* [[doi](doi)]

6. Ho JCT, **Chan CH**. (2023) Evaluating Transferability in Multilingual Text Analyses. *Computational Communication Research* [[doi](doi)]

7. Jakob J, **Chan CH**, Dobbrick T, Wessler H. (2023) Discourse Integration in Positional Online News Reader Comments: Patterns of Responsiveness Across Types of Democracy, Digital Platforms, and Perspective Camps. *New Media & Society* [[doi](doi)]

8. **Chan CH**, Schoch D. (2023) rang: Reconstructing reproducible R computational environments. *PLOS ONE* [[doi](doi)]

9. **Chan CH**, Rauchfleisch A. (2023) Bayesian Multilevel Modeling and Its Application in Comparative Journalism Studies. *International Journal of Communication* [link]

10. Schoch D, **Chan CH**. (2023) Software presentation: Rtoot: Collecting and Analyzing Mastodon Data. *Mobile Media & Communication* [[doi](doi)]

11. **Chan CH.** (2023) grafzahl. *Computational Communication Research* [[doi](doi)]

12. Müller P, **Chan CH,** Ludwig K, Freudenthaler R, Wessler H. (2023) Differential Racism in the News: Using Semi-Supervised Machine Learning to Distinguish Explicit and Implicit Stigmatization of Ethnic and Religious Groups in Journalistic Discourse. *Political Communication* [[doi](doi)]

13. Zeng J, **Chan CH**. (2023) Envisioning a More Inclusive Future for Digital Journalism: A Diversity Audit of Journalism Studies (2013–2021). *Digital Journalism* [[doi](doi)]

14. **Chan CH,** Wessler H, Jungblut M, Welbers K, Althaus S, Bajjalieh J, van Atteveldt W. (2023) Challenging the Global Cultural Conflict Narrative: An Automated Content Analysis on How Perpetrator Identity Shapes Worldwide News Coverage of Islamist and Right-Wing Terror Attacks. *International Journal of Press/Politics* [[doi](doi)]

15. **Chan CH**, Zeng J, Schäfer, MS. (2022). Whose research benefits more from Twitter? On Twitter-worthiness of communication research and its role in reinforcing disparities of the field. *PLOS ONE*, 17 (12), e0278840. [[doi](doi)]

16. Yen CY, Chang MHW, **Chan CH**. (2022). A Computational Analysis of the Dynamics of R Style Based on 108 Million Lines of Code from All CRAN Packages in the Past 21 Years. *R Journal,* 14(1), 6-21. [[doi](doi)]

17. **Chan CH.** (2022). sweater: Speedy Word Embedding Association Test and Extras Using R. *Journal of Open Source Software*, 7(72), 4036. [[doi](doi)]

18. Dobbrick T, Jakob J, **Chan CH**, & Wessler H (2021). Enhancing theory-informed dictionary approaches with "glass-box" machine learning:

The case of integrative complexity in social media comments. *Communication Methods and Measures*, 1-18. [[doi](doi)]

19. Welbers K, van Atteveldt W, Bajjalieh J, Shalmon D, Joshi PV, Althaus S, **Chan CH**, Wessler H & Jungblut, M. (2021). Linking event archives to news: a computational method for analyzing the gatekeeping process. *Communication Methods and Measures* [[doi](doi)]

20. Wessler H, Althaus S, **Chan CH**, Jungblut M, Welbers K, van Atteveldt W (2021). Multiperspectival Normative Assessment: The Case of Mediated Reactions to Terrorism. *Communication Theory* [[doi](doi)]

21. **Chan CH**, Bajjalieh J, Auvil L, Wessler H, Althaus S, Welbers K, van Atteveldt W, Jungblut M (2021). Four best practices for measuring news sentiment using 'off-the-shelf' dictionaries: a large-scale p-hacking experiment. *Computational Communication Research* [[doi](doi)]

22. Zeng J, **Chan CH** (2021). A cross-national diagnosis of infodemics: comparing the topical and temporal features of misinformation around COVID-19 in China, India, the US, Germany and France. *Online Information Review.* [[doi](doi)]

23. Wozniak A, Wessler H, **Chan CH**, Lück J (2021). The Event-Centered Nature of Global Public Spheres: The UN Climate Change Conferences, Fridays for Future,and the (Limited) Transnationalization of Media Debates. *International Journal of Communication.* [link]

24. **Chan CH,** Sältzer M (2020). oolong: An R package for validating automated content analysis tools. *Journal of Open Source Software*, 5(55), 2461. [[doi](doi)]

25. **Chan CH**, Zeng J, Wessler H, Jungblut M, Welbers K, Bajjalieh JW, van Atteveldt W, Althaus SL (2020). Reproducible Extraction of Cross-lingual Topics (rectr). *Communication Methods and Measures*, 1-21. [[doi](doi)]

26. **Chan CH**, Grill C. (2020). The Highs in Communication Research: Research Topics with High Supply, High Popularity and High Prestige in High-Impact Journals. *Communication Research*. [[doi](doi)]

27. Zeng J, **Chan CH**, Schäfer, MS. (2020). Contested Chinese Dreams of AI? Public discourse about Artificial intelligence on WeChat and People's Daily Online. *Information, Communication & Society*, 1-22. [[doi](doi)]

28. **Chan CH**, Wessler H, Rinke EM, Welbers K, van Atteveldt W, Althaus S (2020). How Combining Terrorism, Muslim, and Refugee Topics Drives Emotional Tone in Online News: A Six-Country Cross-Cultural Sentiment Analysis. *International Journal of Communication*, 14, 26. [link]

29. **Chan CH**, Chow CSL, Fu KW. (2019). Echoslamming: how incivility interacts with cyberbalkanization on the social media in Hong Kong. *Asian Journal of Communication*, 1-21. [[doi](doi)]

30. Liang H, Fung ICH, Tse ZTH, Yin JJ, **Chan CH**, Pechta LE, Smith BJ, Marquez-Lameda RD, Meltzer MI, Lubell KM, Fu KW. (2019). How did Ebola

Information Spread on Twitter: Broadcasting or Viral Spreading? *BMC Public Health* [doi]

31. **Chan CH**, Zhu YE, Chow CSL, Fu KW. (2019). The intertwined cyberbalkanizations of Facebook pages and their audience: an analysis of Facebook pages and their audience during the 2014 Hong Kong Occupy Movement. *Journal of Computational Social Science, 1-23.* [doi]

32. Duke C, Yin JJ, Zhang XY, Blankenship E, Akuse S, Shah G, **Chan CH**, Fu KW, Tse ZTH, Fung ICH. (2019). Adopting YouTube to Promote Health: An Analysis of State Health Departments. *The Permanente Journal; 23: 18-094* [doi]

33. **Chan CH**, Fu KW. (2018). "Mutual Ignoring" Mechanism of Cyberbalkanization: Triangulating Big Data Analysis and Agent-Based Modeling. *Journal of Information Technology & Politics; 15: 378-87.* [doi]

34. Fung ICH, Zeng J, **Chan CH**, Liang H, Yin JJ, Liu ZC, Tse Z, Fu KW. (2018). Twitter and Middle East Respiratory Syndrome, South Korea, 2015: a Multi-lingual Study. *Infection, Health and Disease; 23: 10-6.* [doi]

35. **Chan CH**, Fu KW. (2017). The Relationship between Cyberbalkanization and Opinion Polarization: Time-Series Analysis on Facebook Pages and Opinion Polls during the Hong Kong Occupy Movement and the Associated Debate on Political Reform. *Journal of Computer-mediated Communication.* [doi]

36. Zeng J, **Chan CH**, Fu KW. (2017). How Social Media Construct "Truth" Around Crisis Events: Weibo's Rumor Management Strategies After the 2015 Tianjin Blasts. *Policy & Internet* 2017. [doi]

37. Fung ICH, Fu KW, **Chan CH**, Chan BSB, Cheung CN, Abraham T, Tse ZTH. (2016). Social Media's Initial Reaction to Information and Misinformation on Ebola, August 2014: Facts and Rumors. *Public Health Reports; 131: 461-73.* [doi]

38. Fu KW, **Chan CH**, Ip P. (2014). Exploring the relationship between cyberbullying and unnatural child death: an ecological study of twenty-four European countries. *BMC Pediatrics.14:195.* [doi]

39. Fu KW, **Chan CH**, Chau M. (2013). Assessing censorship on microblogs in China: Discriminatory keyword analysis and the real-name registration policy. *IEEE Internet Computing 17: 42-50.* [doi]

40. Fung ICH, Fu KW, Ying YC, Schaible B, Hao Y, **Chan CH**, Tse ZTH. (2013). Chinese social media reaction to the MERS-CoV and avian influenza A (H7N9) outbreaks. *Infectious diseases of poverty.; 2: 1-12.* [doi]

Grant
1. Responsible Terrorism Coverage 2, Deutsche Forschungsgemeinschaft (German Research Foundation) - Co-PI
2. Impliziter und expliziter Rassismus in Nachrichtenmedien und sozialen Medien: Ausmaß und Wirkung, Forschungsverbund „Diskriminierung und Rassismus", Bundesministerium für Familie, Senioren, Frauen und Jugend (Implicit and Explicit Racism in News Media and Social Media: Magnitude and Effect, Research alliance - Discrimination and Racism), The Federal Ministry of Family Affairs, Senior Citizens, Women and Youth - Co-PI
3. Frame detection dataset. Open Science Office, University of Mannheim - PI
4. Racism monitoring, Deutsche Zentrum für Integrations- und Migrationsforschung (German Centre for Integration and Migration Research) - Co-PI
5. Oolong. SAGE Concept Grants - PI

Professional service
1. *Computational Communication Research* - Associate Editor (2024-)
2. ICA Computational Methods Division - Secretary (2021-2023)

Presentations

1. **Chan CH**, Schatto-Eckrodt T, Gruber J. (2024). What makes computational communication science (ir) reproducible? Paper presented at 74th Annual International Communication Association Conference, Gold Coast, Australia [Top Paper, Computational Methods Division].

2. TeBlunthuis N, Hase V, **Chan CH**. (2023). Automated Content Misclassification Causes Bias in Regression. Can We Fix It? Yes We Can! Paper presented at 73rd Annual International Communication Association Conference, Toronto, Canada [Top Paper, Computational Methods Division].

3. **Chan CH**, Freudenthaler R. (2023) A benchmark dataset for detecting frames in multi-topical news content. Paper presented at 73rd Annual International Communication Association Conference, Toronto, Canada [Top Paper, Computational Methods Division].

4. Freudenthaler R, **Chan CH**, Ludwig K, Müller P, Wessler H. (2023) One language model fits all? On the challenges of adopting an automated measure of group-based stigmatization for tweets. Paper presented at 73rd Annual International Communication Association Conference, Toronto, Canada.

5. Ho JCT, **Chan CH**. (2023). What gets transferred in Transfer Learning: Conceptualize transferability in multilingual text analysis. Paper presented at 73rd Annual International Communication Association Conference, Toronto, Canada.

6. **Chan CH,** Freudenthaler R. (2022). Frame? Kein Thema! Die Validität der induktiven Frame-Erkennung in Texten mit mehreren Themen. FG Methoden der Publizistik- und Kommunikationswissenschaft Tagung der DGPuK, München, Germany.

7. TeBlunthuis N, Hase V, **Chan CH**. (2022). How to Stop Ignoring Automated Classification Errors: Differential Measurement Error and Inter-Coder Reliability in Measurement Error Models. Poster, TADA2022 Text as Data Conference. New York, USA.

8. **Chan CH**, Rauchfleisch A (2022) Bayesian (Comparative) Journalism Studies. Paper presented at 72nd Annual International Communication Association Conference, Paris, France

9. **Chan CH** (2022) An R Package for Detecting Biases in Word Embeddings. Paper presented at 72nd Annual International Communication Association Conference, Paris, France

10. Müller P, **Chan CH**, Ludwig K, Freudenthaler Rainer, Wessler H (2022) Differential Racism in the News: Using Semi-Supervised Machine Learning to Distinguish Explicit and Implicit Stigmatization of Ethnic and Religious Groups in Journalistic Discourse. Paper presented at 72nd Annual International Communication Association Conference, Paris, France

11. **Chan CH**, Rauchfleisch A, Wessler H, Müller P, Ludwig K (2021) Estimation of differential implicit media bias. Paper presented at 71st Annual International Communication Association Conference, Virtual Conference

12. **Chan CH**, Zeng J, Wessler H, Jungblut M, Welbers K, Bajjalieh J, van Atteveldt W, Althaus S (2020) Reproducible Extraction of Cross-Lingual Topics Using R. Paper presented at 70th Annual International Communication Association Conference, Virtual Conference [Top Paper, Computational Methods Interest Group]

13. **Chan CH**, Zeng J, Schäfer MS (2020). Whose research benefits more from Twitter? A study of Twitter-worthiness of communication research. Paper presented at 70th Annual International Communication Association Conference, Virtual Conference [Top extended abstract, Communication and Technology Division]

14. **Chan CH**, Wessler H, van Atteveldt W, Althaus S (2020). Are Right-Wing Attackers Also Terrorists? An Automated Content Analysis on How Perpetrator Identity Shapes Worldwide English-Language News Coverage of Islamist and Right-Wing Attacks. Paper presented at the 70th Annual International Communication Association Conference, Virtual Conference

15. Welbers K, van Atteveldt W, Althaus S, Wessler H, Bajjalieh J, **Chan CH**, Jungblut M. (2020) Media Portrayal of Terrorist Events: Using Computational Text Analysis to Link News Items to the Global Terrorism Database. Paper presented at the 70th Annual International Communication Association Conference, Virtual Conference

16. Welbers K, van Atteveldt W, **Chan CH**, Wessler H, Althaus S (2020) Suspect by Association: Untangling Semantic Relations Between Muslim Communities and Terrorism in the News. Paper presented at the 70th Annual International Communication Association Conference, Virtual Conference

17. **Chan CH**, Bajjalieh J, Auvil L, Wessler H, Althaus S, Welbers K, van Atteveldt W. (2019) Using 'off-the-shelf' sentiment dictionaries without revalidation: a p-hacking experiment. *Paper presented at the 5th International Conference on Computational Social Science, Amsterdam, the Netherlands.*

18. Yen CY, Chang MHW, **Chan CH**. (2019) A Computational Analysis of the Dynamics of R Style Based on 94 Million Lines of Code from All CRAN Packages in the Past 20 Years. *Paper presented at the useR! 2019 conference, Toulouse, France.*

19. **Chan CH,** Grill C. (2019) Understanding Supply and Demand in Communication Research: A Computational Approach. *Paper presented at the 69th ICA Annual Conference, Washington D.C., USA.*

20. **Chan CH**, Zhu YE, Chow SL & Fu KW (2018). Building a dual-layer theory of cyberbalkanization: an analysis of Facebook pages and their audience during the 2014 Hong Kong Occupy Movement. *Paper presented at the 68th ICA Annual Conference, Prague, Czech Republic.*

21. **Chan CH**, Chow SL, Fu KW (2018). Echoslamming: how incivility interacts with cyberbalkanization on social media. *Paper presented at the 68th ICA Annual Conference, Prague, Czech Republic.*

22. **Chan CH** & Fu KW (2017). Are Facebook Pages Missing at Random After a Social Movement? A two-year Panel Study on Social Media Activities of Hong Kong Facebook Pages after the 2014 Occupy Movement. *Paper presented at the European Symposium Series on Societal Challenges in Computational Social Science, London, UK.*

23. Zeng J., **Chan CH**, & Fu K.W. (2016). How Social Media Construct "Truth" Around Crisis Events: Weibo's Rumor Management Strategies After the 2015 Tianjin Blasts. *Paper presented at the Association of Internet Researchers Annual Conference 2016, Berlin, Germany.*

24. Zeng J., **Chan CH**, & Fu KW (2016). How Social Media Construct "Truth" Around Crisis Events: Weibo's Rumor Management Strategies After the 2015 Tianjin Blasts. *Paper presented at the Internet, Policy, & Politics Conference 2016, Oxford, UK.*

25. **Chan CH** & Fu KW (2015). "Mutual ignoring" as a generative mechanism of cyberbalkanization: evidence from a Hong Kong Facebook Pages sharing network. *Paper presented at The Empiricist's Challenge: Asking Meaningful Questions in Political Science in the Age of Big Data conference, Mannheim, Germany.*

26. **Chan CH** & Fu KW (2014). Differential opinions among Hong Kong online social media, traditional news media, opinion polls and the government consultations on methods for selecting chief executive in 2017. *Paper presented at the Conference for e-Democracy & Open Government Asia, Hong Kong.*

27. **Chan CH** & Fu KW (2014). Can retweeting drive Chinese citizen's opinion diversity? An 18-month panel study of over 30,000 Chinese microbloggers. *Paper presented at the Chinese Internet Research Conference 2014, Hong Kong.*

Invited presentations

1. **Chan CH** (2024-06-03). What makes computational communication science (ir)reproducible? *The Disrupt, Ally, Resist, Embrace (DARE) Workshop. AAAI ICWSM 2024 conference, Buffalo, USA*

2. **Chan CH** (2022-06-01). Detecting implicit biases in large language corpora. *Social Science Data Lab, MZES, Mannheim, Germany.*

3. **Chan CH** (2022-03-21). Differential Racism in the News: Using Semi-Supervised Machine Learning to Distinguish Explicit and Implicit Stigmatization of Ethnic and Religious Groups in Journalistic Discourse. *AB-B Colloquium, MZES, Mannheim, Germany.*

4. **Chan CH** (2021-06-09). On the validity of automated content analysis. (Guest lecture). *The Graduate Institute of Journalism, National Taiwan University, Taiwan*

5. **Chan CH** (2021-02-18). A cross-national diagnosis of COVID-19 infodemics. *Zentrum für Kunst und Medien Karlsruhe, Germany*

6. **Chan CH** (2020-06-26). Git for bartenders. *Mannheim Open Science Meetup.*

7. **Chan CH.** (2019-12-05). Echoslamming: how incivility interacts with cyberbalkanization on the social media in Hong Kong. *Hong Kong Studies Annual Conference, Education University of Hong Kong, Hong Kong*

8. **Chan CH.** (2019-11-14). Bag-of-words model: Why is it unrealistic for doing automated content analysis and what are the possible solutions? *Department of Media and Communication, City University of Hong Kong, Hong Kong*

9. **Chan CH.** (2019-11-11). Validation of automated content analysis (Guest lecture). *The Graduate Institute of Journalism, National Taiwan University, Taiwan*

10. **Chan CH.** (2019-11-05 / 2019-11-06). Text analysis using Quanteda (Workshop). *C-Centre, Department of Communication, Chinese University of Hong Kong, Hong Kong.*

11. **Chan CH.** (2018-10-17). Fast, cheap, but is it still good? An opinionated guide to crowdsourcing platforms in 2018. *Social Science Data Lab, MZES, Mannheim, Germany.*

12. **Chan CH.** (2018-08-24). Divide et Impera: How cyberbalkanized social media tear apart our society. *Symposium on Digital Research into Media and Politics: International & Hong Kong Studies. The University of Hong Kong, Hong Kong*

13. **Chan CH.** (2018-02-13). Introduction to Social Media's RESTful APIs and data collection with SocialMediaLab. *Social Science Data Lab, MZES, Mannheim, Germany.*

14. Wessler, H, & **Chan CH** (2018-01-31). Using Text Analytics Methods to Provide New Insights for Research on Contentious Processes. *Text Analytics Applications for Monitoring and Understanding Contentious Processes. University of Illinois Urbana Champaign, USA.*

15. **Chan CH.** (2017-11-07). Social Network Analysis with igraph. *Social Science Data Lab, MZES, Mannheim, Germany.*

Awards:
1. ICA Computational Methods Division Top Paper 2024
2. ICA Computational Methods Division Top Paper 2023 [link]
3. ICA Computational Methods Division Top Paper 2023 [link]
4. ICA Communication & Technology Division Top Extended Abstract 2020 [link]
5. ICA Computational Methods Interest Group Top Paper 2020 [link]
6. Outstanding paper award - Hong Kong Studies Annual Conference 2019 [link]
7. Travel scholarship - AOIR 2016 [link]

Conference proceedings
1. Zeng J, Schäfer MS, **Chan CH.** (2019) Contested Chinese dreams of AI? Analyzing discourse on artificial intelligence on WeChat and the People's Daily between 2015 and 2018. *Paper presented at the 7th International Conference of Comparative Media Studies in Todays World, St. Petersburg, Russia.*
2. **Chan CH**, & Fu KW. (2017) Facebook Pages' Strength of Ties and Segregation of Engaged Users: An Examination of the Hierarchical Model of Cyberbalkanization. *Paper presented at the 50th Hawaii International Conference on System Sciences, Hawaii, USA.*
3. Fu KW & **Chan CH.** (2015). Networked collective action in the 2014 Hong Kong Occupy movement: Analysing a Facebook sharing network. *Proceedings of the 2nd International Conference on Public Policy (ICPP 2015), Milan, Italy.*
4. **Chan CH**, & Fu KW. (2015). Predicting Political Polarization from Cyberbalkanization: Time series analysis of Facebook pages and Opinion Poll during the Hong Kong Occupy Movement. *Proceedings of the ACM Web Science Conference, Oxford, United Kingdom.*
5. Chan KC, Fu KW, & **Chan CH**. (2015). Does Dialectal Variation Matter in Term-Based Feature Selection of Sentiment Analysis?: An Investigation into Multi-dialectal Chinese Microblogs. *Proceedings of the ACM Web Science Conference, Oxford, United Kingdom.*

Conference organization
1. Member of the Organizing Committee (together with Christiane Grill, Anne Schäfer, Charlotte Löb, 2018-11-08 - 2018-11-09). #DQComm2018. The Deliberative Quality of Communication Conference. *MZES, Mannheim, Germany.*

Software Development

Please refer to my github https://github.com/chainsawriot

Maintainer of the following R packages (on CRAN): oolong, readODS, sweater, sehrnett, grafzahl, rang, rio

R packages with significant contributions: rio, vosonSML, newsmap, keyATM, academictwitteR, rtoot, adaR

Proficiency in R, Python, C++, C, Ruby, Javascript, Lisp, SQL, Bash, Lua.

Experience in managing Linux clusters, PostgreSQL, and MongoDB databases

Language proficiency

English (High proficiency), Chinese (native speaker in Cantonese, published two novels in Chinese, high proficiency in Mandarin Chinese), German (certified B2)

Tech conference presentations

1. Maintaining the I/O Infrastructure of R. *UseR! 2024 Conference. Salzburg, Austria*

2. Die Nutella oder Das Nutella? Grammatical Gender Prediction of German Nouns. *UseR! 2019 Conference. Toulouse, France [*video*]*

3. This year in #rstats. *Hong Kong Open Source Conference (HKOSCon) 2017. Hong Kong.*

4. Social Science of the Internet. *World Internet Developer Submit. 2016. Hong Kong.*

5. Workshop: Practical computing for everyone: introduction to Unix. *Hong Kong Open Source Conference (HKOSCon) 2016. Hong Kong.*

6. Workshop: Sci-kit Learn Babystep. *Hong Kong Python Conference (Pycon) 2016. Hong Kong.*

7. Workshop: Learning functional programming (Lisp) through computer graphics. *Hong Kong Open Source Conference (HKOSCon) 2015. Hong Kong.*

8. What exactly is 'plastics' on Hong Kong Golden Forum? A text mining analysis. *Hong Kong Python Conference (Pycon 2015), Keynote Speaker. Hong Kong.*

9. Workshop: Let's break some stupid Captchas! *Hong Kong Python Conference (Pycon) 2015. Hong Kong.*

10. Workshop: Learning R through Public Data hacking. *Hong Kong Open Source Conference (HKOSCon) 2014. Hong Kong.*

11. Cloning an opinion leader with NLP. *Hong Kong Open Source Conference (HKOSCon) 2013. Hong Kong.*

Previous works (epidemiological studies, first author only. complete list upon request)

1. **Chan CH**, Wong BM, Tang JL, Ng DK. Gender difference in snoring and how it changes with age: systematic review and meta-regression. *Sleep and Breathing* 2012; 16: 977-86.
2. **Chan CH**, Ng DK. Apnea–hypopnea index as the outcome variable in multiple linear regression analysis: Statistical issues. *Pediatric Pulmonology* 2007; 42: 711-5.
3. **Chan CH**, Ng DK. A mini-review of P values from Hong Kong Medical Journal. *Hong Kong Medical Journal* 2007; 13: 411.
4. **Chan CH**, Chan EY, Ng DK, Chow PY, Kwok KL. Application of artificial neural networks to establish a predictive mortality risk model in children admitted to a paediatric intensive care unit. *Singapore Medical Journal* 2006; 47: 928-34.

Teaching
1. Institute for Media and Communication Studies, University of Mannheim
   a. MKW746 Social Network Analysis (2019) - Lecturer [link]
   b. MKW742 Quantitative Methods I (2019, Co-taught with Frank Schneider) - Lecturer [link]
2. Journalism and Media Studies Centre, University of Hong Kong
   a. JMSC1003 Statistics for Journalist (2013-2017) - Tutor
   b. JMSC6046 Media Research (2013-2015) - Tutor
   c. JMSC6041 Social Media Analytics (2015) - Tutor