



WISDOM OF THE CROWDS CAN CROWD-SOURCING COEXIST WITH TODAY'S DATA SECURITY REGULATIONS?

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Abstract

This package, unifrsr, allows the easy creation of seminar reports using standard LaTeX. It should be the last package loaded, to ensure that nothing overrides the page layout.

Note that utility commands are available:

- \seminartitle which specifies, optionally, the title of the seminar the report is being written for
- \supervisor which specifies the name of the professor supervisor of the project
- \assistant which specifies, optionally, the name of the assistants of the seminar, separated by the command \and

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Introduction

This is an example of a section. As you see, it is just a standard LaTeX section. Here is a footnote¹.

1.1 Background and Motivation

It's all standard LATEX, as you can see. This is a very nice paper:

¹This is a footnote

General Data Protection Regulation

Crowd-Sourcing Methods

Related Work [LW18]

Bibliography

- [Ami+20] Payam Aminpour et al. "Wisdom of stakeholder crowds in complex social-ecological systems". In: *Nature Sustainability* 3 (Mar. 2020), pp. 191–199. DOI: 10.1038/s41893-019-0467-z.
- [AT17] Mohammed Aljoufie and Alok Tiwari. "People's Aspirations from Smart City Technologies: What Solutions They Have to Offer for the Crucial Challenges City of Jeddah Is Facing". In: *Current Urban Studies* 05 (Jan. 2017), pp. 466–482. DOI: 10.4236/cus.2017.54026.
- [CDA16] Srinjoy Chowdhury, Saniya Dhawan, and Akshay Agnihotri. "Crowd-sourcing for smart cities". In: (May 2016), pp. 360–365. DOI: 10.1109/RTEICT. 2016.7807842.
- [EGG17] William D. Eggers, Jim Guszcza, and Michael Greene. "Making cities smarter: How citizens' collective intelligence can guide better decision making". In: *Deloitte Review 20* (Jan. 2017). URL: https://www2.deloitte.com/us/en/insights/deloitte-review/issue-20/people-for-smarter-cities-collective-intelligence-decision-making.html.
- [GDPR] European Commission. 2018 reform of EU data protection rules. May 25, 2018. URL: https://ec.europa.eu/commission/sites/beta-political/files/data-protection-factsheet-changes_en.pdf.
- [Kon+19] Xiangjie Kong et al. "Mobile Crowdsourcing in Smart Cities: Technologies, Applications, and Future Challenges". In: *IEEE Internet of Things Journal* 6 (Oct. 2019), pp. 8095–8113. DOI: 10.1109/JIOT.2019.2921879.
- [LW18] Jaron Lanier and E Glen Weyl. "A blueprint for a better digital society". In: *Harvard Business Review* 26 (2018).
- [NOK] NOKIA. Nokia Ava Crowd Analytics. URL: \https://www.nokia.com/networks/services/nokia-ava-crowd-analytics/, \https://www.nokia.com/networks/portfolio/insights-and-analytics/.
- [Poi18] Malla Poikela. Use wisdom of crowds to design smarter cities, businesses and networks. May 2018. URL: \https://www.nokia.com/blog/use-wisdom-crowds-design-smarter-cities-businesses-and-networks/.
- [Sch+12] Dimitri Schuurman et al. "Smart Ideas for Smart Cities: Investigating Crowdsourcing for Generating and Selecting Ideas for ICT Innovation in a City Context". In: *Journal of theoretical and applied electronic commerce research* 7 (Dec. 2012), pp. 49–62. DOI: 10.4067/S0718-18762012000300006.
- [Tim19] The New York Times. Jaron Lanier Fixes the Internet | NYT Opinion. 2019. URL: \https://www.youtube.com/watch?v=Np5ri-KktNs.

BIBLIOGRAPHY BIBLIOGRAPHY

[Wan+19] Jiangtao Wang et al. "Crowd-Powered Sensing and Actuation in Smart Cities: Current Issues and Future Directions". In: *IEEE Wireless Communications* PP (Apr. 2019). DOI: 10.1109/MWC.2019.1800030.

- [Zad94] Lotfi A. Zadeh. "Fuzzy Logic, Neural Networks, and Soft Computing". In: *Commun. ACM* 37.3 (Mar. 1994), pp. 77–84. ISSN: 0001-0782. DOI: 10.1145/175247. 175255. URL: http://doi.acm.org/10.1145/175247.175255.
- [Zhu+17] Lily Popova Zhuhadar et al. "The next wave of innovation—Review of smart cities intelligent operation systems". In: *Computers in Human Behavior* 66 (Jan. 2017), pp. 273–281. DOI: 10.1016/j.chb.2016.09.030.