

# David Buil-Gil

Lecturer in Quantitative Criminology

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Department of Criminology  
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## RESEARCH INTERESTS

My research interests cover crime data modelling, victimisation surveys, measurement error in crime data, new methods for data collection, geographic criminology, emotions about crime, and cybercrime.

## EDUCATION

- Sept 2016 – Dec 2019 **PhD in Criminology**  
Passed without corrections  
Funded by the UoM President Doctoral Scholar Award  
University of Manchester, UK
- Sept 2015 – July 2016 **MA in Crime Analysis and Crime Prevention**  
Extraordinary Prize of Highest Degree  
Funded by the Spanish Ministry of Education  
Miguel Hernández University of Elche, Spain
- Sept 2011 – July 2015 **Bachelor's in Criminology**  
Erasmus Exchange at Erasmus Rotterdam University  
Funded by the Spanish Ministry of Education  
Autonomous University of Barcelona, Spain

## DOCTORAL DISSERTATION

Dissertation title: "Small Area Estimation in Criminological Research: Theory, Methods, and Applications". December 2019, University of Manchester. Supervised by Juanjo Medina and Natalie Shlomo. Examined by Jonathan Jackson and Simon Peters.

## POSITIONS HELD

- April 2021 – Present **Lecturer in Quantitative Criminology**  
Department of Criminology  
University of Manchester, UK
- July 2019 – April 2021 **Research Fellow in Cybercrime**  
Department of Criminology  
University of Manchester, UK
- Nov 2017 – Mar 2018 **Research Assistant in Fear of Crime**  
School of Law  
University of Manchester, UK
- Oct 2017 – July 2019 **Teaching Assistant in Quantitative Criminology**  
School of Law  
University of Manchester, UK

- Oct 2017 – July 2019    Research Assistant in the Q-Step Helpdesk  
Cathie Marsh Institute for Social Research  
University of Manchester, UK
- Sept 2015 – July 2016    Research Assistant in Criminology  
Crimina Center for the Study and Prevention of Crime  
Miguel Hernández University of Elche, Spain
- Oct 2014 – Feb 2015    Internship  
General Direction of Administration of Security  
Government of Catalonia, Spain
- Sept 2014 – July 2015    JAEIntro Research Fellow  
Milá y Fontanals Institution  
Spanish National Research Council (CSIC), Spain

## PEER-REVIEWED PUBLICATIONS

### Journal Articles

- Pina-Sánchez, J., Buil-Gil, D., Brunton-Smith, I., Cernat, A. (in press). The Impact of Measurement Error in Models Using Police Recorded Crime Rates. *Journal of Quantitative Criminology*.
- Buil-Gil, D., Mawby, R. I. (2022). Do Tourists Report Crime to the Police? An Exploratory Analysis in Barcelona. *Current Issues in Tourism*. <https://doi.org/10.1080/13683500.2022.2105198>
- Buil-Gil, D., Brunton-Smith, I., Pina-Sánchez, J., Cernat, A. (2022). Comparing Measurements of Violent Crime in Local Communities: A Case Study in Islington, London. *Police Practice and Research*, 23(4), 489-506. <https://doi.org/10.1080/15614263.2022.2047047>
- Buil-Gil, D., Zeng, Y. (2022). Meeting You Was a Fake: Investigating the Increase in Romance Fraud During COVID-19. *Journal of Financial Crime*, 29(2), 460-475. <https://doi.org/10.1108/JFC-02-2021-0042>
- Cernat, A., Buil-Gil, D., Brunton-Smith, I., Pina-Sánchez, J., Murrià-Sangenís, M. (2022). Estimating Crime in Place: Moving Beyond Residence Location. *Crime & Delinquency*. <https://doi.org/10.1177/00111287211064779>
- Kemp, S., Buil-Gil, D., Miró-Llinares, F., Lord, N. (2021). When Do Businesses Report Cybercrime? Findings from a UK Study. *Criminology & Criminal Justice*. <https://doi.org/10.1177/17488958211062359>
- Buil-Gil, D., Saldaña-Taboada, P. (2021). Offending Concentration on the Internet: An Exploratory Analysis of Bitcoin-related Cybercrime. *Deviant Behavior*. <https://doi.org/10.1080/01639625.2021.1988760>
- Buil-Gil, D., Zeng, Y., Kemp, S. (2021). Offline Crime Bounces Back to Pre-COVID Levels, Cyber Stays High: Interrupted Time-Series Analysis in Northern Ireland. *Crime Science*, 10(26). <https://doi.org/10.1186/s40163-021-00162-9>
- Kemp, S., Buil-Gil, D., Moneva, A., Miró-Llinares, F., Díaz-Castaño, N. (2021). Empty Streets, Busy Internet. A Time Series Analysis of Cybercrime and Fraud Trends during COVID-19. *Journal of Contemporary Criminal Justice*, 37(4), 480-501. <https://doi.org/10.1177/10439862211027986>
- Buil-Gil, D., Moretti, A., Langton, S. H. (2021). The Accuracy of Crime Statistics: Assessing the Impact of Police Data Bias on Geographic Crime Analysis. *Journal of Experimental Criminology*. <https://doi.org/10.1007/s11292-021-09457-y>

- Buil-Gil, D., Lord, N., Barrett, E. (2021). The Dynamics of Business, Cybersecurity and Cyber-victimization: Foregrounding the Internal Guardian in Prevention. *Victims & Offenders*, 16(3), 286-315. <https://doi.org/10.1080/15564886.2020.1814468>
- Buil-Gil, D., Medina, J., Shlomo, N. (2021). Measuring the Dark Figure of Crime in Geographic Areas. Small Area Estimation from the Crime Survey for England and Wales. *The British Journal of Criminology*, 61(2), 364-388. <https://doi.org/10.1093/bjc/azaa067>
- Buil-Gil, D., Miró-Llinares, F., Moneva, A., Kemp, S., Díaz-Castaño, N. (2021). Cybercrime and Shifts in Opportunities during COVID-19: A Preliminary Analysis in the UK. *European Societies*, 23(S1), S47-S59. <https://doi.org/10.1080/14616696.2020.1804973>
- Buil-Gil, D., Moretti, A., Shlomo, N., Medina, J. (2021). Worry About Crime in Europe. A Model-Based Small Area Estimation from the European Social Survey. *European Journal of Criminology*, 18(2), 274-298. <https://doi.org/10.1177/1477370819845752>
- Solymosi, R., Buil-Gil, D., Vozmediano, L., Sousa Guedes, I. (2021). Towards a Place-based Measure of Fear of Crime: A Systematic Review of App-Based and Crowdsourcing Approaches. *Environment and Behavior*, 53(9), 1013-1044. <https://doi.org/10.1177/0013916520947114>
- Buil-Gil, D., Moretti, A., Shlomo, N., Medina, J. (2020). Applying the Spatial EBLUP to Place-Based Policing. Simulation Study and Application to Confidence in Police Work. *Applied Spatial Analysis and Policy*, 13, 901-924. <https://doi.org/10.1007/s12061-020-09333-8>
- Buil-Gil, D., Medina, J., Shlomo, N. (2019). The Geographies of Perceived Neighbourhood Disorder. A Small Area Estimation Approach. *Applied Geography*, 109, 102037. <https://doi.org/10.1016/j.apgeog.2019.102037>
- Buil-Gil, D., Gómez-Bellvis, A. B., Castro-Toledo, F. J. (2019). Waiting in the Wings. Reflexiones del I Encuentro de Jóvenes Investigadores en Criminología. *International E-Journal of Criminal Sciences*, 14, 1-22.
- Buil-Gil, D. (2017). Un Enfoque para el Estudio Ambiental del Miedo al Crimen: Aproximación Integradora al Enclave del Miedo (AIEM). *Revista Electrónica de Ciencia Penal y Criminología*, 19-04.
- Buil-Gil, D. (2016). ¿Qué es la Criminología? Una Aproximación a su Ontología, Función y Desarrollo. *Derecho y Cambio Social*, 44.

## Books

- Buil-Gil, D. (2022). *La Composición del Crimen: Una Aproximación Analítica*. Valencia: Tirant lo Blanch.

## Book Chapters and Encyclopaedia Entries

- Buil-Gil, D. (in press). Small Area Estimation for Crime Analysis. In E. Groff, C. Haberman (Eds.), *The Study of Crime and Place: A Methods Handbook*. Philadelphia: Temple University Press.

- Buil-Gil, D., Solymosi, R. (in press). Using Crowdsourced Data to Study Crime and Place. In E. Groff, C. Haberman (Eds.), *The Study of Crime and Place: A Methods Handbook*. Philadelphia: Temple University Press.
- Šerý, M., Brisudová, L., Buil-Gil, D., Kimic, K., Polko, K., Solymosi, R. (in press). The Perception of Personal Security in Urban Parks: Comparative Analysis of Research Methods. In *COST Action Book Project: Placemaking in Practice*.
- Buil-Gil, D., Langton, S. H. (2020). GIS and Geovisual Analysis. In P. Atkinson, S. Delamont, A. Cernat, J. W. Sakshaug, R. A. Williams (Eds.), *SAGE Research Methods Foundations*. SAGE.  
<http://dx.doi.org/10.4135/9781526421036905587>
- Buil-Gil, D., Solymosi, R., Moretti, A. (2020). Nonparametric Bootstrap and Small Area Estimation to Mitigate Bias in Crowdsourced Data. Simulation Study and Application to Perceived Safety. In C. Hill, P. Biemer, T. Buskirk, L. Japiec, A. Kirchner, S. Kolenikov, L. Lyberg (Eds.), *Big Data Meets Survey Science* (pp. 487-517). Hoboken: Wiley. <https://doi.org/10.1002/9781118976357.ch16>
- Buil-Gil, D. (2016). Nuevas Tendencias de la Criminología Global: Avanzando Hacia el Cosmopolitismo Crítico. In J. Rámila, D. Briggs, J. R. Pérez Suárez (Eds.), *La Criminología de Hoy y del Mañana* (pp. 63-78). Madrid: Dykinson.
- Buil-Gil, D. (2016). Introducción al Estudio del Miedo al Delito: Principios Teóricos. In G. A. T. Ríos (Ed.), *Criminología. Enfoques multidisciplinares* (pp. 17-36). Lima: Fondo Editorial Universidad San Martín de Porres.

## Volumes Edited

- Castro-Toledo, F. J., Gómez-Bellvis, A. B., Buil-Gil, D. (Eds.) (2019). *La Criminología que Viene. Resultados del I Encuentro de Jóvenes Investigadores en Criminología*. Barcelona: Red Española de Jóvenes Investigadores en Criminología.
- Montero-Montero, D., Buil-Gil, D. (Eds.) (2016). *Jóvenes Promesas en Criminología: Recopilación de los Mejores Trabajos de Final de Grado del curso 2015-2016*. Palma de Mallorca: Criminología y Justicia.
- Buil-Gil, D., Ruiz-Martínez, M. (Eds.) (2016). *Jóvenes Promesas en Criminología: Recopilación de los Mejores Trabajos de Final de Grado del curso 2014-2015*. Palma de Mallorca: Criminología y Justicia.

## OTHER PUBLICATIONS

### Manuscripts Under Review

- Pina-Sánchez, J., Brunton-Smith, I., Buil-Gil, D., Cernat, A. (under review). rcme: A Sensitivity Analysis Tool to Explore the Impact of Measurement Error in Police Recorded Crime Rates.
- Buil-Gil, D., Kemp, S., Kuenzel, S., Coventry, L., Zakhary, S., Tilley, D., Nicholson, J. (under review). The Digital Harms of Smart Home Devices: A Systematic Literature Review.

## Technical Reports

- Moretti, A., Buil-Gil, D. (2021). *Mapping the Bias of Police Records: Project Final Report*. Manchester: Manchester Statistical Society.
- Taylor, P., Tuffin, R. (Eds.) (2021). *Rebuilding a Resilient Britain: Crime Prevention Report from Areas of Research Interest (ARI) Working Group 4*. Government Office for Science.
- Buil-Gil, D., Moneva, A., Kemp, S., Díaz-Castaño, N., Miró-Llinares, F. (2020). Recorded Cybercrime and Fraud Trends in UK During COVID-19. *Statistical Bulletin on Crime and COVID-19, Issue 6*. Leeds: University of Leeds. <https://doi.org/10.5518/100/30>
- Buil-Gil, D., Lord, N., Barrett, E., Taylor, P., Milligan, A. (2020). *Cyber-Dependent Crimes in the North West*. Unpublished report. Manchester: University of Manchester.

### Blog Posts, Media and Other Publications

- Buil-Gil, D., Nicholson, J., Kemp, S. (2022, March 31). Smart (and Safe) Homes – Public-Private Partnerships to Mitigate the Digital Harms of Smart Home Devices. *Policy@Manchester Blog*.
- Buil-Gil, D., Zeng, Y. (2022, March 26). We All Like to Believe We'd Never Get Caught Out by a Romance Scam, But Don't Be So Sure. *i Newspaper*.
- Buil-Gil, D., Pina-Sánchez, J., Brunton-Smith, I., Cernat, A. (2022, March). Bad Data, Worse Predictions: How Measurement Error in Crime Data Affects Crime Prevention. *CREST Security Review*, 13.
- Zeng, Y., Moretti, A., Buil-Gil, D. (2021, December 17). Dark Figure of Crime: Do Police-Recorded Crime Statistics Serve All Areas of Greater Manchester Equally? *Public Sector Focus*, November-December 2021, pp. 56-57.
- Zeng, Y., Moretti, A., Buil-Gil, D. (2021, September 6). Dark Figure of Crime: Do Police-Recorded Crime Statistics Serve All Areas of Greater Manchester Equally? *Policy@Manchester Blog*.
- Kemp, S., Buil-Gil, D., Zeng, Y. (2021, September 6). Hands, Face, Cyber Space: How the Pandemic is Accelerating the Growth of Cybercrime. *N8 Policing Research Partnership Blog*.
- Buil-Gil, D., Pina-Sánchez, J. (2021, April 1). El Progreso de la Criminología Cuantitativa en España. *Sociedad Española de Investigación Criminológica Blog*.
- Buil-Gil, D., Lord, N., Barrett, E., Dresner, D., Higgins, B. (2020, March 19). Profiting from Pandemics: COVID-19, Changing Routines and Cyber Crimes. *Policy@Manchester Blog*.
- Barrett, E., Dresner, D., Buil-Gil, D. (2020, January). Why Victims of Cyber Crime Deserve 'Cyber CPR'. In Policy@Manchester (Ed.), *On Digital Trust. Analysis and Ideas on Trust and Security in a Digital Age* (pp. 28-32). Manchester: Policy@Manchester.
- Buil-Gil, D. (2019, May 2). Who (Else) Cares About my Research? Bridging Gaps Between Social Sciences Research and Non-Specialists. *Humanities Researcher Development at The University of Manchester Blog*.

- Buil-Gil, D. (2017, October 14). El Tamaño Importa. Aplicando las Técnicas de Estimación en Áreas Pequeñas a los Análisis Espaciales en Criminología. *Spanish Network of Early Career Researchers in Criminology (REJIC) Blog*.
- Buil-Gil, D. (2017, October 9). Sobre la Actuación de los Cuerpos de Policía el 1-O. *EconomiaDigital.es*.
- Buil-Gil, D. (2017, February 16). Un Apunte Sobre las Nuevas Aproximaciones Teóricas y Metodológicas para el Estudio del Miedo al Crimen. *Crímina Center for the Study and Prevention of Crime Blog*.
- Buil-Gil, D., Moretti, A. (2016, December 20). Small Area Estimation for Targeting Hot-Spot Policing Interventions. *British Society of Criminology Policing Network Blog*.
- Buil-Gil, D. (2016). De la Parábola del Pescador Único al Realismo de la Cofradía de Pescadores: Una Reflexión Sobre los Debates Académicos Contemporáneos en Criminología. *Criminología y Justicia Refurbished*, 4, 136-141.
- Castro-Toledo, F. J., Buil-Gil, D. (2016). El Miedo (al Crimen) como Fuente de Política Criminal. *Revista de Ciències Jurídiques*, 1, 14-18.
- Buil-Gil, D. (2014). 10 Pasos para No Trabajar de Criminólogo. *Archivos de Criminología, Seguridad Privada y Criminalística*, 13, 1-5.

## CONFERENCE PRESENTATIONS

### Papers Presented at Professional Meetings and Conferences

- Pina-Sánchez, J., Buil-Gil, D., Brunton-Smith, I., Cernat, A. (2022, November). The Impact of Measurement Error in Regression Models Using Police-Recorded Crime Rates. Paper presented at the *Annual Meeting of the American Society of Criminology*, Atlanta, USA.
- Buil-Gil, D., Kemp, S., Kuenzel, S., Zakhary, S., Coventry, S., Tilley, D., Nicholson, J. (2022, November). The Digital Harms of Smart Home Devices: A Systematic Literature Review. Paper presented at the *Annual Meeting of the American Society of Criminology*, Atlanta, USA.
- Buil-Gil, D., Mawby, R. I. (2022, September). Do Tourists Report Crime to the Police? An Exploratory Analysis in Barcelona. Paper presented at the *Annual Meeting of the European Society of Criminology*, Malaga, Spain.
- Buil-Gil, D., Brunton-Smith, I., Pina-Sánchez, J., Cernat, A. (2022, September). Synthetic Crime Data to Study Local Patterns of Reporting and Recording. Paper presented at the *Annual Meeting of the European Society of Criminology*, Malaga, Spain.
- Pina-Sánchez, J., Buil-Gil, D., Brunton-Smith, I., Cernat, A. (2022, September). The Impact of Measurement Error in Regression Models Using Police-Recorded Crime Rates. Paper presented at the *Annual Meeting of the European Society of Criminology*, Malaga, Spain.
- Buil-Gil, D. (2022, May). Has COVID-19 Affected the Incidence and Nature of Online Fraud and Cybercrime? Paper presented at the *Cybersecurity Revolution Conference 2022* [e-conference].
- Pina-Sánchez, J., Buil-Gil, D., Brunton-Smith, I., Cernat, A. (2021, November). Errores de Medida en Datos Policiales: Testando la Validez y Explorando Implicaciones del Supuesto de No Diferencialidad. Paper presented at the *13<sup>th</sup> Conference of the Spanish Society of Criminology*, Seville, Spain.

- Kemp, S., Buil-Gil, D., Miró-Llinares, F., Lord, N. (2021, November). When Do Businesses Report Cybercrime? Findings From a UK Study. Paper presented at the *Crime Surveys User Conference 2021* organised by the UK Data Service [e-conference], Essex, UK.
- Kemp, S., Buil-Gil, D., Miró-Llinares, F., Lord, N. (2021, November). When Do Businesses Report Cybercrime? Findings From a UK Study. Paper presented at the *13<sup>th</sup> Conference of the Spanish Society of Criminology*, Seville, Spain.
- Moretti, A., Buil-Gil, D. (2021, September). Multivariate Small Area Estimation for Continuous and Binary Outcomes: Mapping Collective Efficacy and Crime Prevalence in London. Paper presented at the *2021 Joint Statistical Meetings of the American Statistical Association* [e-conference], Alexandria, USA.
- Kemp, S., Buil-Gil, D., Miró-Llinares, F., Lord, N. (2021, September). When Do Businesses Report Cybercrime? Findings from a UK Study. Paper presented at the *21st Annual Conference of the European Society of Criminology* [e-conference].
- Kemp, S., Buil-Gil, D., Moneva, A., Miró-Llinares, F., Díaz-Castaño, N. (2021, September). Empty Streets, Busy Internet. A Time Series Analysis of Cybercrime and Fraud Trends during COVID-19. Paper presented at the *21st Annual Conference of the European Society of Criminology* [e-conference].
- Pina-Sánchez, J., Brunton-Smith, I., Buil-Gil, D., Cernat, A. (2021, September). Re-Counting Crime. The Impact of Measurement Error in Police Crime Records. Paper presented at the *Royal Statistical Society 2011 International Conference*, Manchester, UK.
- Buil-Gil, D., Lord, N., Barrett, E. (2021, January). Business Dynamics and Cybercrime Victimization: Foregrounding the Internal Guardian for Crime Prevention. Paper presented at the *SPRITE+ Research Showcase* [e-conference], Manchester, UK.
- Moretti, A., Buil-Gil, D., Langton, S. H. (2020, December). Crime Mapping and the Dark Figure of Crime: Assessing the Impact of Police Data Bias on Maps of Crime Produced at Different Spatial Scales. Paper presented at the *UK Data Service Crime Surveys User Conference 2020* [e-conference], Essex, UK.
- Pina-Sánchez, J., Cernat, A., Brunton-Smith, I., Buil-Gil, D. (2020, December). The Impact of Measurement Error in Police Crime Records. Paper presented at the *UK Data Service Crime Surveys User Conference 2020* [e-conference], Essex, UK.
- Kemp, S., Buil-Gil, D., Miró-Llinares, F., Moneva, A., Díaz-Castaño, N. (2020, November). Shifts in Cybercrime and Fraud Opportunities during COVID-19: Understanding the Threat Landscape. Paper presented at the *UK/Kuwait Cyber Education & Research Conference 2020* [e-conference], Kuwait City, Kuwait.
- Buil-Gil, D., Moretti, A., Langton, S. H. (2020, November). The Bias of Crime Statistics: Assessing the Impact of Data Bias on Police Analysis and Crime Mapping. Paper presented at the *BigSurv20 Conference of the European Survey Research Association* [e-conference], Utrecht, Netherlands.
- Buil-Gil, D., Moretti, A., Langton, S. H. (2020, November). Mapping the Bias of Police Records. A Simulation Study about the Impact of Data Bias on Crime Mapping. Paper presented at the *First Annual Meeting of the Criminology Consortium* [e-conference], Wilkes-Barre, US.
- Buil-Gil, D., Miró-Llinares, F., Moneva, A., Kemp, S., Díaz-Castaño, N. (2020, September). Shifts in Opportunities and Cybercrime during COVID-19: A

- Preliminary Analysis in the UK. Paper presented at the *2020 Conference of the European Society of Criminology* [e-conference], Bucharest, Romania.
- Buil-Gil, D. (2020, February). Are Police Records a Reliable Indicator of the Geographies of Crime? Putting the Dark Figure of Crime in its Place. Paper presented at the *2<sup>nd</sup> Spanish Meeting of Early Career Researchers in Criminology*, Malaga, Spain.
- Buil-Gil, D., Moretti, A. (2019, July). Regional Distribution of Worry about Crime in Europe. Small Area Estimation from European Social Survey Data. Paper presented at *8<sup>th</sup> Conference of the European Survey Research Association*, Zagreb, Croatia.
- Buil-Gil, D. (2018, November). The Criminology of Small Areas: Aplicando las Técnicas de Estimación en Áreas Pequeñas a los Análisis Espaciales en Criminología. Paper presented at the *1st Spanish Meeting of Early Career Researchers in Criminology*, Barcelona, Spain.
- Buil-Gil, D., Solymosi, R., Moretti, A. (2018, October). Non-Parametric Bootstrap and Small Area Estimation to Mitigate Bias in Crowdsourced Data. Simulation Study and Application to Perceived Safety. Paper presented at the *BigSurv18 Conference of the European Survey Research Association*, Barcelona, Spain.
- Buil-Gil, D. (2018, August). Towards a Small Area Estimation Approach in Criminology: An Application to Perceived Neighbourhood Disorder in Manchester. Paper presented at the *18<sup>th</sup> Annual Conference of the European Society of Criminology*, Sarajevo, Bosnia and Herzegovina.
- Buil-Gil, D., Murrià Sangenís, M., González Murciano, C. (2018, June). Policía y Satisfacción con Servicios Policiales. Una Estimación en Áreas Pequeñas en el Área Metropolitana de Barcelona. Paper presented at the *12th Spanish Conference of Criminology*, Oviedo, Spain.
- Buil-Gil, D. (2018, June). La Percepción de Desorden en los Barrios de Manchester. Aplicando las Técnicas de Estimación en Áreas Pequeñas. Paper presented at the *12th Spanish Conference of Criminology*, Oviedo, Spain.
- Buil-Gil, D. (2018, June). Bridging the Gap Between Crime Mapping and Small Area Estimation Techniques: A Small Area Estimation Approximation to Perceived Disorder in Manchester. Paper presented at the *2018 Environmental Criminology and Crime Analysis Conference*, Elche, Spain.
- Solymosi, R., Buil-Gil, D., Vozmediano, L., Sousa Guedes, I. (2018, June). Measuring Fear of Crime Using App-Based and Sensing Methodologies. Paper presented at the *2018 Environmental Criminology and Crime Analysis Conference*, Elche, Spain.
- Buil-Gil, D., Murrià Sangenís, M., González Murciano, C. (2018, March). Estimación en Áreas Pequeñas de la Satisfacción con los Servicios de Policía en el Área Metropolitana de Barcelona. Paper presented at the *1st Andalusian Conference of Criminology*, Seville, Spain.
- Buil-Gil, D. (2017, November). Estimating Perceived Disorder at Small Area Level in Manchester. A Model-Based Small Area Estimation Approach. Paper presented at the *2017 Conference of the European Forum for Urban Security*, Barcelona, Spain.
- Buil-Gil, D. (2017, October). Size Matters. A Small Area Estimation Approach to the Spatial Distribution of Perceptions of Disorder in Manchester. Paper presented in the *2017 School of Law PGR Conference*, Manchester, UK.



- Buil-Gil, D., Moretti, A. (2017, June). Distribución Regional de la Preocupación por el Crimen en España. Una Estimación en Áreas Pequeñas a Partir de la Encuesta Social Europea. Paper presented at the *3rd Spanish Symposium of Criminological Research*, Elche, Spain.
- Buil-Gil, D. (2016, June). Comunidad de Coétnicos y Miedo al Delito: Estudio sobre las Variables Explicativas del Miedo al Delito de la Comunidad Inmigrante de la Ciudad de Barcelona. Paper presented at *11th Spanish Conference of Criminology*, Barcelona, Spain.
- Buil-Gil, D. (2016, June). Investigación en el Área del Miedo al Delito. Paper presented at *11th Spanish Conference of Criminology*, Barcelona, Spain.
- Buil-Gil, D., de Orbe Izquierdo, M. I. (2016, June). InseguridApp: Estudio Piloto de los Patrones de Distribución Espacio-Temporal del Miedo al Delito en Elche a partir de una Nueva Aplicación Android. Paper presented at *11th Spanish Conference of Criminology*, Barcelona, Spain.
- Buil-Gil, D. (2014, November). Protocolos para la Prevención, Detección y Actuación en Casos de Acoso Sexual y/o por Razón de Sexo en las Universidades Catalanas. Paper presented at the *3rd MISEAL Conference*, Barcelona, Spain.
- Buil-Gil, D. (2014, November). Mi Experiencia en el CSIC. Paper presented at the *3rd Workshop for the Professional Promotion of Criminologists*, Barcelona, Spain.
- Buil-Gil, D. (2014, April). Oportunidades de Emprendimiento. Paper presented at the *2nd Workshop for the Professional Promotion of Criminologists*, Barcelona, Spain.
- Buil-Gil, D. (2014, April). Criminólogos.eu: Registro y Utilización de la Primera Red Social para Criminólogos. Paper presented at the *2nd Workshop for the Professional Promotion of Criminologists*, Barcelona, Spain.

### Invited Addresses

- Buil-Gil, D. (2022, July). Measuring Crime in Geographic Areas: Challenges, Opportunities & Priorities. Paper presented at the *Office for National Statistics Research Excellence Series* [e-seminar], London, UK.
- Buil-Gil, D. (2022, May). Open Research: Principles and Good Practices. Paper presented at the *University of Manchester Research Away Day for Criminology*, Manchester, UK.
- Kemp, S., Buil-Gil, D. (2022, March). When Do Businesses Report Cybercrime? Findings From a UK Study. Paper presented at the *RISCS Quantification and Cyber Risk Workshop* [e-conference], London, UK.
- Pina-Sánchez, J., Buil-Gil, D. (2022, February). Recounting Crime: Project overview and synthetic crime data. Paper presented at the *CDRC Conference 2022: Inside Consumer Data* [e-seminar], Leeds, UK.
- Buil-Gil, D. (2022, January). Small area estimation for criminological research: An introduction. Paper presented at the *Office for National Statistics Research Accreditation Service Seminar Series* [e-seminar], London, UK.
- Buil-Gil, D. (2021, November). Has COVID-19 Affected the Incidence and Nature of Online Fraud and Cybercrime? Growing Evidence from the UK. Paper presented at the *Combating Online Fraud seminar*, organised by Public Policy Exchange [e-seminar], London, UK.

- Buil-Gil, D. (2021, November). Small Area Estimation from Victimization Surveys. Paper presented at the *NSC-R Workshop*, organised by the Netherlands Institute for the Study of Crime and Law Enforcement [e-seminar], Amsterdam, Netherlands. Paid contribution.
- Buil-Gil, D. (2021, November). Del Presente al Future de la Investigación en Criminología. Paper presented at the *13<sup>th</sup> Conference of the Spanish Society of Criminology*, Seville, Spain.
- Buil-Gil, D. (2021, October). Datos Válidos de Interés Criminológico para la Operatividad Policial. Paper presented at the Seminar "*La Gestión de la Información desde las Instancias de Control Formal del Delito*", organised by the Basque Country Government [e-conference], Basque Country, Spain. Paid contribution.
- Buil-Gil, D., Pina-Sánchez, J. (2021, July). Measurement Error in Crime Data and Its Implications for Explaining and Preventing Crime. Paper presented at the *Lancaster Security Seminars* [e-conference], Lancaster, UK.
- Buil-Gil, D. (2021, July). Cybercrime. Panel discussant at the *Pro-Manchester Trailblazing Tech Conference*, Manchester, UK.
- Buil-Gil, D. (2021, May). Towards a Synthetic Crime Data Approach in Crime Analysis. Paper presented at the *Final Seminar of the Mapping the Bias of Police Records Project* [e-conference], Manchester, UK.
- Buil-Gil, D. (2021, May). Shifts in cybercrime opportunities during COVID-19: Preliminary analysis in the UK. Paper presented at the *Launch of the Manchester Centre for Digital Trust and Society* [e-conference], Manchester, UK.
- Buil-Gil, D. (2021, February). The Dynamics of Business, Cybersecurity and Cyber-victimization. Paper presented at the *Canadian Cyber Threat Exchange (CCTX) Collaboration Symposium 2021* [e-conference], Ottawa, Canada.
- Buil-Gil, D., Pina-Sánchez, J., Brunton-Smith, I., Cernat, A. (2021, February). Assessing the Impact of Measurement Error in Crime Data: Applications to Regression Modelling and Geographic Crime Analysis. Paper presented at "*Using Crime Data in R – how to work with it, visualise and map it!*" workshop of the UK Data Service [e-conference], Manchester, UK.
- Medina Ariza, J., Buil-Gil, D. (2021, February). Small Area Estimation from Survey Data: Applications in Criminology. Paper presented at *Series of Conferences: New Data and Methods for Generating Official Information of INEGI* [e-conference], Monterrey, Mexico.
- Buil-Gil, D., Lord, N., Barrett, E. (2021, February). Organisations as Victims of Financial Cybercrime. Foregrounding the Internal Guardian in Prevention. Paper presented at the *2nd Winter Economic Crime Symposium of the University of Portsmouth* [e-conference], Portsmouth, UK.
- Buil-Gil, D. (2020, November). Estimacions en Àrees Petites a partir d'Enquestes. Com Fer Mapes de Seguretat Percebuda Quan la Mostra de l'Enquesta és Massa Petita? Paper presented at the "*La Percepció Importa. La Seguretat de les Persones*" Workshop [e-conference], Barcelona, Spain. Paid contribution.
- Buil-Gil, D. (2020, May). Estimación en Áreas Pequeñas. Paper presented at the *YHLQMDLG Crímina Workshop* [e-conference], Elche, Spain. Paid contribution.
- Buil-Gil, D. (2020, February). Accessing and Analysing CSEW Data for Low-Level Geographies. A Case Study About the Dark Figure of Crime. Paper presented

- at the *Introduction to Analysing Data about Crime Using R Workshop of the UK Data Service*, Manchester, UK.
- Buil-Gil, D. (2019, September). The Criminology of Place: Lessons Learned and to be Learned. Paper presented at the *5<sup>th</sup> Spanish Meeting of Crime Analysts*, Elche, Spain.
- Buil-Gil, D. (2019, February). Mapping Perceptions and Attitudes Towards Crime. App-Based and Crowdsourced Measures, Systematic Social Observation and Small Area Estimation. Paper presented at the *Centre for Criminology and Criminal Justice Work in Progress Seminars*, Manchester, UK.
- Buil-Gil, D., Medina, J. (2018, December). Applying the Small Area Estimation Techniques to Criminological Data: Methodological Foundations and Applications. Paper presented at the *University of Leeds School of Law Seminars*, Leeds, UK.
- Buil-Gil, D. (2018, November). ¿El Tamaño Importa? Mapas del Crimen y la Necesidad de los Enfoques Micro Geográficos en Criminología. Paper presented at the *invEstigadores: Culture, History, Law, and more! Seminar of Instituto Cervantes*, Manchester, UK.
- Buil-Gil, D., Moretti, A. (2018, May). Small Area Estimation: Introduction and R Packages. Paper presented in the *University of Manchester R User Group Seminars*, Manchester, UK.
- Buil-Gil, D., Moretti, A. (2017, November). Borrowing Spatial Strength in Small Area Estimation. Simulation Studies for a Better Understanding of Hidden Problems in Real World Data. Paper presented at the *PhD Seminars of the Cathie Marsh Institute for Social Research*, Manchester, UK.
- Buil-Gil, D. (2017, November). Geographic Information Systems and APPs Towards Smart Safer Cities. Paper presented at the *Urban Thinkers Campus of UN Habitat*, Barcelona, Spain.
- Buil-Gil, D. (2017, October). Mapping Perceived Disorder at Low Spatial Level. An Introduction to Small Area Estimation Techniques in Criminology. Paper presented at the *University of Manchester School of Law PGR Work in Progress Seminars*, Manchester, UK.
- Buil-Gil, D. (2017, September). Aplicando las Técnicas de Estimación en Áreas Pequeñas a la Investigación Criminológica: De la Encuesta de Victimización al Mapa. Paper presented at the *3rd Spanish Meeting of Crime Analysts*, Elche, Spain.
- Buil-Gil, D. (2017, July). Small Area Estimation in Criminology. Spatial Distribution of Perceived Neighbourhood Disorder in Manchester. Paper presented at the *17.1 Crímina Summer Workshop*, Elche, Spain.
- Buil-Gil, D. (2017, May). Small Area Estimation in Criminology. Application to the Manchester Resident Telephone Survey. Paper presented at the *University of Manchester Cathie Marsh Institute for Social Research PhD Seminars*, Manchester, UK.
- Buil-Gil, D., Moretti, A. (2017, April). Small Area Estimation of Worry about Crime at Regional Level in Europe. Findings from the European Social Survey 5. Paper presented at the *Final Conference of the MARGIN Project*, Budapest, Hungary.
- Buil-Gil, D. (2017, February). The Study of Fear of Crime in Criminology: From Theory to Practise. Paper presented at the *1<sup>st</sup> Fear of Crime Workshop*, Salamanca, Spain.

- Buil-Gil, D. (2016, September). InseguridApp: Estudio Piloto de los Patrones de Distribución Espacio-Temporal de los Enclaves del Miedo (al Crimen) en Elche a Partir de una Nueva Aplicación Móvil. Paper presented at the *2nd Spanish Meeting of Crime Analysts*, Elche, Spain.
- Buil-Gil, D. (2016, May). Theorizing Fear of Crime: Concept, Importance of Its Study and Theoretical Principles. Paper presented at the *2016 Meeting of Students of Criminology from the University of Texas at San Antonio*, Elche, Spain.
- Buil-Gil, D. (2016, May). Introducción al Estudio del Miedo al Delito: Concepto, Importancia de su Estudio y Fundamentos Teóricos. Paper presented at the *1st Meeting about the Subjectivity of Security*, Barcelona, Spain.
- Buil-Gil, D. (2016, March). Miedo al Delito: Principales Aproximaciones Teóricas. Paper presented at the *1st International Conference of Specialised Criminologies* [e-conference], Mexico City, Mexico.
- Buil-Gil, D. (2016, March). 10 Pasos para No Trabajar de Criminólogo. Paper presented at the *1st International Conference of Specialised Criminologies* [e-conference], Mexico City, Mexico.
- Buil-Gil, D. (2016, March). Miedo al Delito y Justicia Restaurativa. Una Nueva Aproximación a la Reducción del Miedo en Víctimas. Paper presented at the *4th International Conference of Restorative Justice*, Burgos, Spain.
- Buil-Gil, D. (2015, April). El Movimiento Estudiantil en Criminología: Pasado, Presente y Futuro. Paper presented at the *2nd Meeting of Representatives of Students of Criminology*, Barcelona, Spain.
- Buil-Gil, D. (2015, March). Difusión Científica y Ámbito Académico en Criminología. Paper presented at the *1st Meeting of the Sevillian Society of Students of Criminology*, Seville, Spain.

## GRANTS AND CONTRACTS

### Project Grants – Externally Funded

#### Operation Bluestone Soteria

September 2021 – August 2023

Home Office

Co-Investigator, with K. Hohl (PI), B. Stanko (PI), J. Lovett

#### PrivIoT - Understanding and Mitigating Privacy risks of IoT Homes with Demand-Side Management

July 2021 – December 2022

£170,232 – Strategic Research Fund, PETRAS National Centre of Excellence for IoT Systems Cybersecurity

Co-Investigator, with J. Nicholson (PI), S. Kuenzel, S. Zakhary, L. Coventry

#### Re-Counting Crime: New Methods to Improve the Accuracy of Estimates of Crime

October 2020 – September 2022

£108,948 – Secondary Data Analysis Initiative, ESRC

Co-Investigator, with I. Brunton-Smith (PI), J. Pina-Sánchez, A. Cernat

#### Mapping the Bias of Police Records

June 2020 – May 2021

£8,986 – Champion Grant, Manchester Statistical Society

Co-Investigator, with A. Moretti (PI)

#### Comunidad de Coétnicos y Miedo al Delito

Sept 2014 – July 2015

2,000€ - JAEIntro Grants, Spanish National Research Council (CSIC)

Principal Investigator, with J. Martí Pérez

### **Project Grants – Internally Funded**

#### **SPACESUIT - Spatial Data Privacy in Research Using Crime Data**

October 2021 – July 2022

£4,979 – Manchester Centre for Digital Trust and Society Seedcorn Call, University of Manchester

Co-Investigator, with E. Kim (PI), R. Solymosi

#### **Geoprivacy, Confidentiality and Data Sharing in Research and Practice**

September 2021 – June 2022

£4,293 – Manchester-Stockholm Strategic Partnership Seedcorn Call, University of Manchester

Researcher, with V. Ceccato (co-PI), R. Solymosi (co-PI), U. Jansson (co-PI)

#### **CyberUp – Analysing the Growth in Cybercrime during COVID-19 and Post-Pandemic Trends**

June 2021 – December 2021

£4,593 – Research Collaboration Fund for Research Staff, University of Manchester

Principal Investigator

### **Career Development and Training Grants**

#### **President's Doctoral Scholar Award**

September 2016 – August 2019

Full Funding for PhD Students – University of Manchester

#### **Scholarship for Master Students**

September 2015 – July 2016

Full Funding for Master's Students – Spanish Ministry of Education

#### **Language Immersion Grant for Bachelor Students**

July 2015 – August 2015

500€ – Spanish Ministry of Education

#### **Language Immersion Grant for Bachelor Students**

July 2014 – August 2014

500€ – Spanish Ministry of Education

#### **Erasmus Exchange Programme Grants**

August 2013 – February 2014

6,000€ – European Commission and Spanish Ministry of Education

#### **Language Immersion Grant for Bachelor Students**

July 2012 – August 2012

2,000€ – Spanish Ministry of Education

#### **Scholarship for Bachelor Students**

September 2011 – July 2015

Full Funding for Bachelor Students – Spanish Ministry of Education

### **Awards**

#### **RISCS Quantification and Cyber Risk Prize**

February 2022

£100 – RISCS – Research Institute for Sociotechnical Cyber Security, UK

Article co-authored by S. Kemp, F. Miró-Llinares, N. Lord

#### **ONS Early Career Researcher Award**

October 2021

- No economic award – Office for National Statistics, UK  
**Winner of the Crowds, Safety and Crime Hackathon**  
December 2020  
£20 – Methods@Manchester, University of Manchester, UK  
Team Member, with B. Matthews, N. Khadaroo-McCheyne, F. Pantoja Nunez
- Second Prize of “Rafael Bonet” Award for Policing Studies**  
November 2018  
No economic award – Society of Chief Police Officers from Alicante, Spain
- Extraordinary Prize of Highest Degree for Master’s Students**  
March 2017  
212€ – Miguel Hernández University of Elche, Spain
- Final Dissertation Award for Master’s Students**  
September 2016  
1,000€ – Miguel Hernández University of Elche, Spain
- Award for Students of Criminology**  
June 2016  
200€ – Spanish Society of Criminological Research, Spain
- Third Prize of Arquimedes University Research Contest**  
November 2015  
1,000€ – Spanish Ministry of Education, Spain

## TEACHING

### Courses Taught – Course Coordinator

- Short Dissertations – Quantitative Data Analysis Pathway**  
Criminology UG, University of Manchester  
2022-23
- Making Sense of Criminological Data**  
Criminology UG, University of Manchester  
2021-22; 2022-23
- Cybercrime 2 – Financial Crime and Digital Systems**  
University College for Interdisciplinary Learning (UCIL), University of Manchester  
2019-20; 2020-21; 2021-22; 2022-23

### Courses Taught – Teaching Assistant

- Criminological Research Methods**  
BA Criminology, University of Manchester  
2018-19
- Making Sense of Criminological Data**  
BA Criminology, University of Manchester  
2017-18; 2018-19; 2019-20
- Data Analysis for Criminologists**  
BA Criminology, University of Manchester  
2016-17

### Guest Lecturing

- Forensic Psychology and Mental Health**  
MSc Forensic Psychology and Mental Health, University of Manchester, UK  
2021-22; 2022-23

#### Practicum

BA Criminology, Autonomous University of Barcelona, Spain  
2020-21

#### Researching Culture and Society

BA Sociology, University of Manchester, UK  
2018-19; 2019-20

#### Victims, Crime and Justice

BA Criminology, University of Manchester, UK  
2019-20

#### Serious and Organised Crime

BA Criminology, University of Manchester, UK  
2019-20; 2020-21; 2021-22

#### How to Get Published

SAGE Campus, SAGE Publishing, UK  
2020-21

#### Crimen y Sociedad

MA Crime Analysis and Crime Prevention, Miguel Hernández University, Spain  
2020-21; 2021-22

#### Prevención Situacional y Análisis Geográfico del Delito

MA Crime Analysis and Crime Prevention, Miguel Hernández University, Spain  
2016-17; 2017-18; 2018-19; 2019-20; 2020-21; 2021-22

#### Master's Thesis Supervised

Fandos Esteruelas, X. (2020). *Análisis Espacio Temporal de los Robos con Violencia e Intimidación en la Ciudad de Reus*. Master's thesis, Miguel Hernández University of Elche.

Cordero Verdasco, B. (2020). *El Miedo a los Delitos Homófobos Bajo la Visión de la Prevención Situacional*. Master's thesis, Miguel Hernández University of Elche.

Botía López, R. (2019). *La Victimización en Europa: Un Estudio de la Distribución Geográfica y Temporal a Partir de una Encuesta Internacional*. Master's thesis, Miguel Hernández University of Elche.

Fernández Domínguez, R. (2018). *Miedo al Delito y Poblamiento Disperso*. Master's thesis, Miguel Hernández University of Elche.

Sánchez Delgado, H. (2018). *Estudio de los Índices de Denuncia por Barrios en Barcelona en el Año 2014: Un Análisis Estadístico*. Master's thesis, Miguel Hernández University of Elche.

Anrango Narváez, D. E. (2018). *Preocupación por el Delito en Territorios Seguros*. Master's thesis, Miguel Hernández University of Elche.

#### SERVICE TO THE PROFESSION

##### Professional Affiliations

###### Manchester Statistical Society

2020 – Present: Member

###### European Society of Criminology

2018 – Present: Member

2018 – Present: Member of the Space, Place, and Crime Working Group

2020 – Present: Member of Working Group on Crime, Criminal justice and COVID-19

**Spanish Society of Criminological Research**

2019 – Present: Board Member

2019 – Present: Co-coordinator of the Quantitative Criminology Working Group

2016 – Present: Member

**Catalan Council of Criminology**

2018 – 2019: Board Member

2018 – Present: Member

**Spanish Network of Early Career Researchers in Criminology**

2018 – 2020: Board Member

2017 – 2018: Coordinator

2017 – Present: Member

**Spanish Society of Students of Criminology**

2014 – 2015: Vice-President

2013 – 2016: Member

**Student Council of the Autonomous University of Barcelona**

2013 – 2014: Treasurer

2012 – 2015: Member

**Senate of the Autonomous University of Barcelona**

2012 – 2015: Elected Member of the Senate

**Advisory Board and Fellowships**

Academic Expert Fellow at the Security, Privacy, Identity and Trust Engagement NetworkPlus (SPRITE+) (2022 – Present)

Crime Prevention Working Group, Rebuilding a Resilient Britain Programme, UK Government Office for Science (2020)

Advisory Board of the Crímina Research Centre for the Study and Prevention of Crime, Miguel Hernández University of Elche (2020 – Present)

Advisory Board of the Costa Blanca Chair for Tourism, Cohabitation and Security, Miguel Hernández University of Elche (2018 – 2020)

**Leadership Roles at the University**

Academic Lead for Digital Technologies and Crime, Manchester Centre for Digital Trust and Society, University of Manchester (March 2022 – Present)

TA Coordinator for Criminology, University of Manchester (August 2022 – Present)

**Selection Committees**

Lecturer in Criminology, Department of Criminology, University of Manchester (July 2022)

Post-Doctoral Research Assistant in IoT & Demand Side Management, Department of Electronic Engineering, Royal Holloway University of London (April 2022)

**Reviewer (Journal Articles and Conference Proceedings)**



Journal of Quantitative Criminology	PLOS ONE
Journal of the American Statistical Association	Journal of Research in Crime and Delinquency
European Journal of Criminology	Computers in Human Behavior
Journal of the Royal Statistical Society: Series A	Crime Science
Crime and Delinquency	Criminology and Criminal Justice
Social Indicators Research	Geographic Analysis
ISPRS International Journal of Geo-Information	Aggression and Violent Behavior
International Review of Victimology	Frontiers in Psychology
Frontiers in Public Health	Asian Journal of Criminology
Journal of Contemporary Criminal Justice	Police Practice and Research
Crime Prevention and Community Safety	International Journal of Population Data Science
European Journal on Criminal Policy and Research	Journal of Criminological Research, Policy and Practice
Revista Española de Investigación Criminológica	15th International Conference on Web and Social Media (AAAI)
International E-Journal of Criminal Sciences	InDret
Boletín Criminológico	Revista Electrónica de Criminología

#### **Reviewer (Books and Book Chapters)**

The Study of Crime and Place: A Methods Handbook (Temple Uni Press)

#### **Reviewer (Government Reports)**

Ministry of Justice Reports, UK

#### **Reviewer (Funding Proposals)**

Secondary Data Analysis Initiative  
(Economic and Social Research Council, UK)  
Police STAR funding (Home Office, UK)

R&D Research (National Research, Development and Innovation Office, Hungary)  
UMRI Interdisciplinary Research Pump-prime Competition (University of Manchester, UK)