

Grigorios Papageorgiou

Biostatistician — Postdoctoral Researcher

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Professional Experience

2021 - Present	Postdoctoral Researcher in Biostatistics Department of Biostatistics, Erasmus University Medical Center
2021 - Present	Methodological & Statistical Assessor College ter Beoordeling van Geneesmiddelen
2019 - Present	Statistical Consultant Department of Internal Medicine, Erasmus University Medical Center
2015 - Present	Statistical Consultant Consultation centre for Patient-Oriented research, Erasmus University Medical Center
2019 - 2021	Education Assistant NIHES Innovation Team, Erasmus University Medical Center
2015 - 2021	PhD Researcher in Biostatistics Department of Biostatistics, Erasmus University Medical Center
2015 - 2019	Statistical Consultant Department of Cardio-Thoracic Surgery, Erasmus University Medical Center
2015	R Tutor LStat, KU LEUVEN, VIB Intensive hands-on course: "Introduction to R"
2014	Statistical Consultant LStat, KU LEUVEN Project on Applied Longitudinal Data Analysis

Education

2015 - 2021	PhD in Biostatistics Department of Biostatistics, Erasmus University Medical Center advisor: Prof. Dimitris Rizopoulos
2013 - 2015	MSc in Statistics Katholieke Universiteit Leuven, Leuven, Belgium
2006 - 2011	BSc in Statistics and Insurance Science University of Piraeus, Piraeus, Greece

Research Interests

Join Models for Longitudinal and Time-to-Event Data

Mixed-effects models

Survival Analysis

Multi-state Models

Dynamic Prediction

Missing Data

Statistical Software Development

JMbayes2	co-developer Extended Joint Models for Longitudinal and Survival Data
JMbayes	co-developer Fits joint models for continuous longitudinal responses and time-to-event data. I developed functionality for dynamic prediction of survival from multivariate joint models. I also developed functionality for joint models for multivariate longitudinal data and multi-state processes.
rQuote	Developer Extracts quotes from the web with web-scraping based on topics of interest.

International Conferences

2020	41st ISCB, Krakow, Poland An Alternative Characterization of Missing at Random in Shared Parameter Models
2019	40th ISCB, Leuven, Belgium Feature selection of longitudinal biomarkers in multivariate joint models for longitudinal and multi-state processes
2018	29th IBS, Barcelona, Spain Feature selection of longitudinal biomarkers in multivariate joint models for longitudinal and multi-state processes
2017	38th ISCB, Vigo, Spain Individualized Dynamic Prediction of Survival with the Presence of Intermediate Events
2017	9th EMR, Thessaloniki, Greece Individualized Dynamic Prediction of Survival with the Presence of Intermediate Events

Peer Review for International Scientific Journals

Biometrics

Journal of Statistical Software

Biometrical Journal

Statistics in Medicine

Statistical Methods in Medical Research

Statistica Sinica

Pharmaceutical Statistics

Diagnostic and Prognostic Research

Committees

2022 - 2025	IBC: Awards Fund Committee
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Programming Languages & Statistical Software Skills

Fluent R, C++, Markdown, L^AT_EX

Intermediate SAS, Stan, HTML, CSS

List of Publications

1. S. Geurts, C. Brunborg, **Papageorgiou, G.**, M.A. Ikram, and M. Kavousi. "Subclinical Measures of Peripheral Atherosclerosis and the Risk of New-Onset Atrial Fibrillation in the General Population: the Rotterdam Study". In: *Journal of the American Heart Association* 11.1 (2022). cited By 0. doi: [10.1161/JAHA.121.023967](https://doi.org/10.1161/JAHA.121.023967). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123289845&doi=10.1161%2fJAHA.121.023967&partnerID=40&md5=4e006302156222352528d7e4bec3ae7d>.
2. A. Gharbharan, C.C.E. Jordans, C. GeurtsvanKessel, J.G. den Hollander, F. Karim, F.P.N. Mollema, J.E. Stalenhoef – Schukken, A. Dofferhoff, I. Ludwig, A. Koster, R.-J. Hassing, J.C. Bos, G.R. van Pottelberge, I.N. Vlasveld, H.S.M. Ammerlaan, E.M. van Leeuwen – Segarceanu, J. Miedema, M. van der Eerden, T.J. Schrama, **Papageorgiou, G.**, P. te Boekhorst, F.H. Swaneveld, Y.M. Mueller, M.W.J. Schreurs, J.J.A. van Kampen, B. Rockx, N.M.A. Okba, P.D. Katsikis, M.P.G. Koopmans, B.L. Haagmans, C. Rokx, and B.J.A. Rijnders. "Effects of potent neutralizing antibodies from convalescent plasma in patients hospitalized for severe SARS-CoV-2 infection". In: *Nature Communications* 12.1 (2021). cited By 43. doi: [10.1038/s41467-021-23469-2](https://doi.org/10.1038/s41467-021-23469-2). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106978482&doi=10.1038%2fs41467-021-23469-2&partnerID=40&md5=afd6e065d3bcec9034b25387c624b27f>.
3. L. Horn, L. De Munter, **Papageorgiou, G.**, K.W.W. Lansink, M.A.C. De Jongh, and M.C.W. Joosen. "Association of longitudinal changes in patient-reported health status with return to work in the first 2 years after traumatic injury: A prospective cohort study in the Netherlands". In: *BMJ Open* 11.12 (2021). cited By 0. doi: [10.1136/bmjopen-2021-055593](https://doi.org/10.1136/bmjopen-2021-055593). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122616021&doi=10.1136%2fbmjopen-2021-055593&partnerID=40&md5=8e68887bbe8bc8562a990df54b2e8f93>.
4. E. Huizing, M.A. Schreve, S. Kum, **Papageorgiou, G.**, J.-P.P.M. de Vries, G.J. de Borst, and Ç. Ünlü. "Development of a Prediction Model for the Occurrence of Stenosis or Occlusion after Percutaneous Deep Venous Arterialization". In: *Diagnostics* 11.6 (2021). cited By 0. doi: [10.3390/diagnostics11061008](https://doi.org/10.3390/diagnostics11061008). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108222077&doi=10.3390%2fdiagnostics11061008&partnerID=40&md5=3c0260a7a13d139d45d3232f05518345>.
5. S. Noten, R.J.G. van den Berg-Emons, D.E. Thorpe, P.C. Heyn, C.M. Marciniak, P.G. McPhee, R.P. Lamberts, N.G. Langerak, O. Verschuren, T. Salokivi, K.M. Morrison, M.D. Peterson, C. Limsakul, H.J. Stam, **Papageorgiou, G.**, J. Versmissen, and W.M.A. Van Der Slot. "Blood pressure in adults with cerebral palsy: a systematic review and meta-analysis of individual participant data". In: *Journal of hypertension* 39.10 (2021). cited By 4, pp. 1942–1955. doi: [10.1097/HJH.0000000000002912](https://doi.org/10.1097/HJH.0000000000002912). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115701779&doi=10.1097%2fHJH.0000000000002912&partnerID=40&md5=683e48631acb8f856197e7af83b45859>.
6. J.L.R. Romeo, **Papageorgiou, G.**, F.F.D. Da Costa, H.H. Sievers, A.J.J.C. Bogers, I. El-Hamamsy, P.D. Skillington, R. Wynne, S. Mastrobuoni, G. El Khoury, J.J.M. Takkenberg, and M.M. Mokhles. "Long-term Clinical and Echocardiographic Outcomes in Young and Middle-aged Adults Undergoing the Ross Procedure". In: *JAMA Cardiology* 6.5 (2021). cited By 7, pp. 539–548. doi: [10.1001/jamacardio.2020.7434](https://doi.org/10.1001/jamacardio.2020.7434). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105748521&doi=10.1001%2fjamacardio.2020.7434&partnerID=40&md5=1f57c28274c119d539239922f7b0f0ff>.
7. A. Schauwvlieghe, A. Dunbar, E. Storme, A. Vlak, R. Aerts, J. Maertens, B. Sciot, T. Van Der Wel, **Papageorgiou, G.**, I. Moors, J.J. Cornelissen, B.J.A. Rijnders, and T. Mercier. "Stopping antibiotic therapy after 72 h in patients with febrile neutropenia following intensive chemotherapy for AML/MDS (safe study): A retrospective comparative cohort study". In: *EClinicalMedicine* 35 (2021). cited By 1. doi: [10.1016/j.eclinm.2021.100855](https://doi.org/10.1016/j.eclinm.2021.100855). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105559088&doi=10.1016%2fj.eclinm.2021.100855&partnerID=40&md5=81ff0c601ef2659c3c325b502aa2f5e5>.

8. W.M.A. van der Slot, J.L. Benner, L. Brunton, J.M. Engel, P. Gallien, S.R. Hilberink, G. Månun, P. Morgan, A. Opheim, I. Riquelme, E. Rodby-Bousquet, T.T. Şimşek, D.E. Thorpe, R.J.G. van den Berg-Emons, L.K. Vogtle, **Papageorgiou, G.**, and M.E. Roebroek. "Pain in adults with cerebral palsy: A systematic review and meta-analysis of individual participant data". In: *Annals of Physical and Rehabilitation Medicine* 64.3 (2021). cited By 20. doi: 10.1016/j.rehab.2019.12.011. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082705734&doi=10.1016%2fj.rehab.2019.12.011&partnerID=40&md5=598f1e3a75bf03d78081bf3931c13842>.
9. **Papageorgiou, G.** and D. Rizopoulos. "An alternative characterization of MAR in shared parameter models for incomplete longitudinal data and its utilization for sensitivity analysis". In: *Statistical Modelling* 21.1-2 (2021). cited By 0, pp. 95–114. doi: 10.1177/1471082X20927114. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086223568&doi=10.1177%2f1471082X20927114&partnerID=40&md5=862e4a9f14af5cc7b89847102c8623de>.
10. D. Abjigitova, M.M. Mokhles, **Papageorgiou, G.**, J.A. Bekkers, and A.J.J.C. Bogers. "Outcomes of different aortic arch replacement techniques". In: *Journal of Cardiac Surgery* 35.2 (2020). cited By 1, pp. 367–374. doi: 10.1111/jocs.14386. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076199815&doi=10.1111%2fjocs.14386&partnerID=40&md5=adb72cb15ae110e57378969e262f1a9f>.
11. J.L.R. Romeo, **Papageorgiou, G.**, J.J.M. Takkenberg, J.W. Roos-Hesselink, W.J. van Leeuwen, J.M.J. Cornette, D. Rizopoulos, A.J.J.C. Bogers, and M.M. Mokhles. "Influence of pregnancy on long-term durability of allografts in right ventricular outflow tract". In: *Journal of Thoracic and Cardiovascular Surgery* 159.4 (2020). cited By 1, 1508–1516.e1. doi: 10.1016/j.jtcvs.2019.08.083. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073739271&doi=10.1016%2fj.jtcvs.2019.08.083&partnerID=40&md5=ece1c413190e459a7318d0fb5498b284>.
12. V. Wester, S. de Groot, T. Kanters, L. Wagner, J. Ardesch, I. Corro Ramos, M.-J. Enders-Slegers, M. de Ruiter, S. le Cessie, J. Los, **Papageorgiou, G.**, J. van Exel, and M. Versteegh. "Evaluating the Effectiveness and Cost-Effectiveness of Seizure Dogs in Persons With Medically Refractory Epilepsy in the Netherlands: Study Protocol for a Stepped Wedge Randomized Controlled Trial (EPISODE)". In: *Frontiers in Neurology* 11 (2020). cited By 2. doi: 10.3389/fneur.2020.00003. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079116672&doi=10.3389%2ffneur.2020.00003&partnerID=40&md5=2b60a8bebbcf0b498fcb333835a6a833>.
13. J.M. Colijn et al. "Increased High-Density Lipoprotein Levels Associated with Age-Related Macular Degeneration: Evidence from the EYE-RISK and European Eye Epidemiology Consortia". In: *Ophthalmology* 126.3 (2019). cited By 47, pp. 393–406. doi: 10.1016/j.ophtha.2018.09.045. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057508316&doi=10.1016%2fj.ophtha.2018.09.045&partnerID=40&md5=2f8ab2d0728a2a26c6d98d4a8b7bc062>.
14. J.R.G. Etnel, S.A. Huygens, P. Grashuis, B. Pekbay, **Papageorgiou, G.**, J.W. Roos Hesselink, A.J.J.C. Bogers, and J.J.M. Takkenberg. "Bioprosthetic aortic valve replacement in nonelderly adults: A systematic review, meta-analysis, and microsimulation". In: *Circulation: Cardiovascular Quality and Outcomes* 12.2 (2019). cited By 24. doi: 10.1161/CIRCOUTCOMES.118.005481. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061580788&doi=10.1161%2fCIRCOUTCOMES.118.005481&partnerID=40&md5=85aebbd7cb3fab8f3bdb53b05ae35c1d>.
15. W.G. Knol, **Papageorgiou, G.**, and M.M. Mokhles. "What to do with the equipoise?" In: *European Heart Journal* 40.22 (2019). cited By 2, p. 1815. doi: 10.1093/eurheartj/ehz176. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067370231&doi=10.1093%2feurheartj%2fehz176&partnerID=40&md5=98cea52a2b0374926edc2c9f48616c98>.
16. S.C. Rigters, M.P. Van Der Schroeffer, **Papageorgiou, G.**, R.J. Baatenburg De Jong, and A. Goedegebure. "Progression of hearing loss in the aging population: Repeated auditory measurements in the Rotterdam study". In: *Audiology and Neurotology* 23.5 (2019). cited By 17, pp. 290–297. doi: 10.1159/000492203. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058811295&doi=10.1159%2f000492203&partnerID=40&md5=fc48ae7d44a13771c08c23f465d0fe28>.
17. **Papageorgiou, G.**, K. Mauff, A. Tomer, and D. Rizopoulos. "An overview of joint modeling of time-to-event and longitudinal outcomes". In: *Annual Review of Statistics and Its Application* 6 (2019). cited By 28, pp. 223–240. doi: 10.1146/annurev-statistics-030718-105048. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062828660&doi=10.1146%2fannurev-statistics-030718-105048&partnerID=40&md5=4f7f3b6c7c569587f688c813c4e01a03>.

18. **Papageorgiou, G.,** M.M. Mokhles, J.J.M. Takkenberg, and D. Rizopoulos. "Individualized dynamic prediction of survival with the presence of intermediate events". In: *Statistics in Medicine* 38.30 (2019). cited By 5, pp. 5623–5640. doi: [10.1002/sim.8387](https://doi.org/10.1002/sim.8387). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074730785&doi=10.1002%2fsim.8387&partnerID=40&md5=f1d10c9e2a3c0f549172b45fb967fc61>.
19. J.R.G. Etnel, P. Grashuis, S.A. Huygens, B. Pekbay, **Papageorgiou, G.,** W.A. Helbing, J.W. Roos-Hesselink, A.J.J.C. Bogers, M.M. Mokhles, and J.J.M. Takkenberg. "The Ross Procedure: A Systematic Review, Meta-Analysis, and Microsimulation". In: *Circulation. Cardiovascular quality and outcomes* 11.12 (2018). cited By 32, e004748. doi: [10.1161/CIRCOUTCOMES.118.004748](https://doi.org/10.1161/CIRCOUTCOMES.118.004748). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058902578&doi=10.1161%2fCIRCOUTCOMES.118.004748&partnerID=40&md5=c6cddde68b93bf7f21b1543d5a54f66d7>.
20. S.J. Head, M. Milojevic, J. Daemen, J.-M. Ahn, E. Boersma, E.H. Christiansen, M.J. Domanski, M.E. Farkouh, M. Flather, V. Fuster, M.A. Hlatky, N.R. Holm, W.A. Hueb, M. Kamalesh, Y.-H. Kim, T. Mäkilä, F.W. Mohr, **Papageorgiou, G.,** S.-J. Park, A.E. Rodriguez, J.F. Sabik, R.H. Stables, G.W. Stone, P.W. Serruys, and A.P. Kappetein. "Mortality after coronary artery bypass grafting versus percutaneous coronary intervention with stenting for coronary artery disease: a pooled analysis of individual patient data". In: *The Lancet* 391.10124 (2018). cited By 290, pp. 939–948. doi: [10.1016/S0140-6736\(18\)30423-9](https://doi.org/10.1016/S0140-6736(18)30423-9). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042353444&doi=10.1016%2fS0140-6736%2818%2930423-9&partnerID=40&md5=bf8221175fd82cbcd4a013c8d377e494>.
21. S.J. Head, M. Milojevic, J. Daemen, J.-M. Ahn, E. Boersma, E.H. Christiansen, M.J. Domanski, M.E. Farkouh, M. Flather, V. Fuster, M.A. Hlatky, N.R. Holm, W.A. Hueb, M. Kamalesh, Y.-H. Kim, T. Mäkilä, F.W. Mohr, **Papageorgiou, G.,** S.-J. Park, A.E. Rodriguez, J.F. Sabik, R.H. Stables, G.W. Stone, P.W. Serruys, and A.P. Kappetein. "Stroke Rates Following Surgical Versus Percutaneous Coronary Revascularization". In: *Journal of the American College of Cardiology* 72.4 (2018). cited By 60, pp. 386–398. doi: [10.1016/j.jacc.2018.04.071](https://doi.org/10.1016/j.jacc.2018.04.071). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049729058&doi=10.1016%2fj.jacc.2018.04.071&partnerID=40&md5=0be6de9e1009e8f862fe2495903576e6>.
22. S.J. Head, **Papageorgiou, G.,** M. Milojevic, G.W. Stone, and A.P. Kappetein. "Interpretation of results of pooled analysis of individual patient data – Authors' reply". In: *The Lancet* 392.10150 (2018). cited By 6, p. 818. doi: [10.1016/S0140-6736\(18\)31779-3](https://doi.org/10.1016/S0140-6736(18)31779-3). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052896068&doi=10.1016%2fS0140-6736%2818%2931779-3&partnerID=40&md5=b85ac08b75088c05c77b194f71c433ab>.
23. J.L.R. Romeo, **Papageorgiou, G.,** J.J.M. Takkenberg, and M.M. Mokhles. "The right time-dependent statistics: this is the moment". In: *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery* 54.6 (2018). cited By 0, p. 1145. doi: [10.1093/ejcts/ezy184](https://doi.org/10.1093/ejcts/ezy184). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056579193&doi=10.1093%2fejcts%2fezy184&partnerID=40&md5=865c8cd660cbf1c07feb7d19cbad08c0>.
24. J.L.R. Romeo, **Papageorgiou, G.,** P.C. Van De Woestijne, J.J.M. Takkenberg, L.E.H. Westenberg, I. Van Beynum, A.J.J.C. Bogers, and M.M. Mokhles. "Downsized cryopreserved and standard-sized allografts for right ventricular outflow tract reconstruction in children: Long-Term single-institutional experience". In: *Interactive Cardiovascular and Thoracic Surgery* 27.2 (2018). cited By 3, pp. 257–263. doi: [10.1093/icvts/ivy057](https://doi.org/10.1093/icvts/ivy057). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055266960&doi=10.1093%2ficvts%2fivy057&partnerID=40&md5=b4969f4e357bf9e3e9e4651fefeb4b3c>.
25. **Papageorgiou, G.,** S.W. Grant, J.J.M. Takkenberg, and M.M. Mokhles. "Statistical primer: How to deal with missing data in scientific research?" In: *Interactive Cardiovascular and Thoracic Surgery* 27.2 (2018). cited By 33, pp. 153–158. doi: [10.1093/icvts/ivy102](https://doi.org/10.1093/icvts/ivy102). URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055501950&doi=10.1093%2ficvts%2fivy102&partnerID=40&md5=77475d0dbe9f25dd6c5021dd2c2b9c74>.