

CONFERENCES

Llobell, F., Cariou, V., Vigneau, E., Labenne, A., Qannari, E. M. (March 14, 2018). CLUSTATIS: a cluster analysis of multiblock datasets. Application to sensometrics. AgroStat, Marseille, France.

Llobell, F., Cariou, V., Vigneau, E., Labenne, A., Qannari, E. M. (April 9, 2018). Cluster analysis of multiblock datasets. Application to Projective mapping/Napping and free sorting task. Sensometrics, Montevideo, Uruguay.

Llobell, F., Cariou, V., Vigneau, E., Labenne, A., Qannari, E. M. (May 14, 2018). Consumer segmentation in a check-all-that-apply task. SenseAsia, Kuala Lumpur, Malaysia.

Llobell, F., Cariou, V., Vigneau, E., Labenne, A., Qannari, E. M. (June 13, 2018). CLUSTATIS: a cluster analysis of multiblock datasets. SMTDA, Crete, Grece.

Llobell, F., Cariou, V., Vigneau, E., Labenne, A., Qannari, E. M. (September 7, 2018). Consumer segmentation in a Check All That Apply experiment. Rencontres de la Société Francophone de Classification, Paris, France.

Llobell, F., Cariou, V., Vigneau, E., Labenne, A., Qannari, E. M. (June 13, 2019). A cluster analysis of multiblock datasets. ASMDA, Florence, Italy.

Llobell, F., Cariou, V., Vigneau, E., Labenne, A., Qannari, E. M. (July 11, 2019). ClustBlock: a package for clustering datasets. UseR!, Toulouse, France.

Llobell, F., Cariou, V., Vigneau, E., Giacalone, D., Labenne, A., Qannari, E.M. (July 31, 2019). Segmentation of the subjects in a CATA experiment while setting aside atypical subjects. Pangborn, Edinburgh, Scotland.

Llobell, F., Vigneau, E., Qannari, E.M., Cariou, V. (October 6, 2020). Determination of the number of clusters of subjects in Projective Mapping, Free Sorting and CATA experiments. Sensometrics, Stavanger, Norway.

Evelyn Vigneau, Véronique Cariou, Davide Giacalone, Ingunn Berget, Fabien Llobell (October 6, 2020). Combining hedonic information and CATA description for consumer segmentation: new methodological proposals and comparison. Sensometrics, Stavanger, Norway.

Llobell, F., Qannari, E.M. (June 2, 2021). Cluster analysis in a multi-block setting. SDSS, St Louis, USA.

Llobell, F., Giacalone, D., Jaeger, S.R., Qannari, E.M (August 12, 2021). CATA data: are there differences in perception?. JSM, Vancouver, Canada.

Llobell, F., Giacalone, D., Jaeger, S.R., Qannari, E.M (September 15, 2021). CATA data: are there differences in perception?. Agrostat, Virtual.

Qannari, E.M., Tchanda Mangamana, E., Llobell, F. (September 14, 2021). Novel strategies for determining sparse components in PCA and PLS regression. AgroStat, Virtual.

Giacalone, D., Llobell, F., & Jaeger, S. R. (December 7, 2021). "Beyond liking" measures in food-related consumer research: Do they improve ability to predict consumption? SenseAsia, Virtual.

Llobell, F., Qannari, E.M. (June 10, 2022). Cluster analysis in a multi-bloc setting. SMTDA, Athens, Greece.

Llobell, F., Vigneau, E., Qannari, E.M. (June 17, 2022). Multivariate data analysis and clustering of subjects in a Just about right task. Agrostat, Lyon, France.

Dominique, S., Hanafi, M., Llobell, F., Ferrandi, J.M. & Cariou, V. (July 20, 2022). Comparison of Segmentation Approaches for Partial Least Squares Path Modeling with Stability Assessment. IFCS, Porto, Portugal.

Dominique, S., Hanafi, M., Llobell, F., Ferrandi, J.M. & Cariou, V. (September 8, 2022). Comparing Local vs Global Clustering with FIMIX-PLS. Application to Marketing. PLS 2022, Cluj, Romania.

Dominique, S., Hanafi, M., Llobell, F., Ferrandi, J.M. & Cariou, V. (September 14, 2022). Comparaison des approches de clustering dans le cadre de la méthode Partial Least Square Path Modeling (PLSPM). SFC 2022, Lyon, France.

Llobell, F., Vigneau, E., Qannari, E.M. (September 14, 2022). Multivariate data analysis and clustering of subjects in a Just about right task. Eurosense, Turku, Finland.

Bonnet, L., Ferney, T., Riedel, T., Qannari, E.M., Llobell, F. (September 14, 2022). Using CATA for sensory profiling: assessment of the panel performance. Eurosense, Turku, Finland.

Dominique, S., Hanafi, M., Llobell, F., Ferrandi, J.M. & Cariou, V. (November 21, 2022). FIMIX-PLS Clustering Based on a Part of a Structural Model applied: An Application to Marketing. DSI, Houston, USA.

Llobell, F., Selmi, N. (May 24, 2023). Generalization of two well-known indices in the choice of the number of clusters within an Agglomerative Hierarchical Clustering. SDSS, Saint-Louis, USA.

Dominique, S., Hanafi, M., Llobell, F., Ferrandi, J.M. & Cariou, V. (July 6, 2023). Two variants of the FIMIX-PLS clustering method in the framework of structural equation models. SFC, Strasbourg, France.

Llobell, F., Cariou, V. (August 22, 2023). A simple process to analyse free sorting data given incomplete block designs. Pangborn, Nantes, France.

Dominique, S., Hanafi, M., Llobell, F., Ferrandi, J.M. & Cariou, V. (August 23, 2023). A simple and direct procedure for data generation in PLS-SEM framework. Compstat, London, England.

Llobell, F., Cariou, V. (September 27, 2023). A simple process to analyse free sorting data given incomplete block designs. Lumivero Conference, Virtual.

Dominique, S., Hanafi, M., Llobell, F., Ferrandi, J.M. & Cariou, V. (September 27, 2023). Variants of the FIMIX-PLS clustering method in the framework of structural equation models. Lumivero Conference, Virtual.

Eslami, A., Khoubrouy, S., Llobell, F., Abdi, H. (June 4, 2024). Cluster analysis of qualitative and mixed variables application to sensory data. Sensometrics conference, Paris, France.

Llobell, F., Choisy, P., Chheang, S.L., Jaeger, S.R. (June 5, 2024). Best Worst Scaling in sensory analysis: how to detect atypical respondents? Sensometrics conference, Paris, France.

Moradi, S., Castura, J., Llobell, F., Janin, N. (June 6, 2024). A cross-cultural comparison of Check-All-That-Apply (CATA) clustering methods: b-cluster analysis vs CLUSCATA. Sensometrics conference, Paris, France.

Jaeger, S.R., Llobell, F., Roigard, C.M. Jin, D., Chheang, S.L., Cardello, A.V. (September 10, 2024). Sensory drivers of affective, emotional, conceptual and sustainability associations in the yoghurt category: product experiences and expectations. Eurosense conference, Dublin, Ireland.

Llobell, F., Jaeger, S.R. (September 11, 2024). Consumer segmentation based on sensory product characterisations elicited by RATA questions? Eurosense conference, Dublin, Ireland.

Llobell, F., Jaeger, S.R. (September 25, 2024). Consumer segmentation based on sensory product characterisations elicited by RATA questions? Lumivero conference, Virtual.

Dominique, S., Cottet, P., Lichtle, M.C., Plichon, V., Cariou, V., Hanafi, M., Llobell, F., Ferrandi, J.M. (September 26, 2024). Exploring Health Behaviors as a Function of Psychological Distance Using the Moving FIMIX-PLS Method. Lumivero conference, Virtual.

Llobell, F., Choisy, P., Chheang, S.L., Jaeger, S.R. (September 26, 2024). Best Worst Scaling in sensory analysis: how to detect atypical respondents? Lumivero conference, Virtual.

Llobell, F., Dominique, S., Cariou, V. (July 7, 2025). Clustering of Blocks in Multi-Block Data: Handling Heterogeneity with a Noise Cluster. DSSV conference, Kruger Park, South Africa.

Jaeger, S.R., Chheang, S.L., Llobell, F. (August 19, 2025). The ErrVarNorm: a new measure of data quality that extends beyond applicability in Case 1 Best Worst Scaling. Pangborn conference, Philadelphia, USA.

PUBLICATIONS

Llobell, F., Cariou, V., Vigneau, E., Labenne, A., Qannari, E. M. (2020). Analysis and clustering of multiblock datasets by means of the STATIS and CLUSTATIS methods. Application to sensometrics. Food Quality and Preference, 79, 103520.
<https://www.sciencedirect.com/science/article/abs/pii/S0950329318302520>

Llobell, F., Cariou, V., Vigneau, E., Labenne, A., Qannari, E. M. (2019).

A new approach for the analysis of data and the clustering of subjects in a CATA experiment. *Food Quality and Preference*, 72, 31-39.

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Llobell, F., Vigneau, E., Qannari, E. M. (2019). Clustering datasets by means of CLUSTATIS with identification of atypical datasets. Application to sensometrics.

Food Quality and Preference, 75, 97-104.

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Llobell, F., Giacalone, D., Labenne, A., Qannari, E.M. (2019). Assessment of the agreement and cluster analysis of the respondents in a CATA experiment.

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Llobell, F. (2020). Classification de tableaux de données, applications en analyse sensorielle (Doctoral dissertation, Nantes, Ecole nationale vétérinaire).

<https://theses.fr/2020ONIR143F>

Vigneau, E., Cariou, V., Giacalone, D., Berget, I., & Llobell, F. (2022). Combining hedonic information and CATA description for consumer segmentation. *Food Quality and Preference*, 95, 104358.

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Giacalone, D., Llobell, F., & Jaeger, S. R. (2021). "Beyond liking" measures in food-related consumer research supplement hedonic responses and improve ability to predict consumption. *Food Quality and Preference*, 104459.

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Schouteten, J. J., Llobell, F., Roigard, C. M., Jin, D., & Jaeger, S. R. (2022). Toward a valence× arousal circumplex-inspired emotion questionnaire (CEQ) based on emoji and comparison with the word-pair variant. *Food Quality and Preference*, 104541.

<https://www.sciencedirect.com/science/article/abs/pii/S0950329322000167>

Cardello, A. V., Llobell, F., Giacalone, D., Roigard, C. M., & Jaeger, S. R. (2022). Plant-based alternatives vs. dairy milk: Consumer segments and their sensory, emotional, cognitive and situational use responses to tasted products. *Food Quality and Preference*, 104599.

<https://www.sciencedirect.com/science/article/abs/pii/S095032932200074X>

Cardello, A. V., Llobell, F., Giacalone, D., Chheang, S. L., & Jaeger, S. R. (2022). Consumer Preference Segments for Plant-Based Foods: The Role of Product Category. *Foods*, 11(19), 3059.

<https://www.mdpi.com/2304-8158/11/19/3059>

Schouteten, J. J., Llobell, F., Chheang, S. L., Jin, D., & Jaeger, S. R. (2022). Emoji meanings (pleasure–arousal–dominance dimensions) in consumer research: Between-country and interpersonal differences. *Journal of Food Science*, 1–16.
<https://doi.org/10.1111/1750-3841.16374>

Dominique, S., Hanafi, M., Llobell, F., Ferrandi, J. M., & Cariou, V. (2023). Comparing Local vs Global Clustering with FIMIX-PLS: Application to Marketing. In *State of the Art in Partial Least Squares Structural Equation Modeling (PLS-SEM) Methodological Extensions and Applications in the Social Sciences and Beyond* (pp. 15-21). Cham: Springer International Publishing.
https://link.springer.com/chapter/10.1007/978-3-031-34589-0_3

Cardello, A. V., Llobell, F., Jin, D., Ryan, G. S., & Jaeger, S. R. (2024). Sensory drivers of liking, emotions, conceptual and sustainability concepts in plant-based and dairy yoghurts. *Food Quality and Preference*, 105077.
<https://www.sciencedirect.com/science/article/pii/S0950329323002719>

Llobell, F., & Cariou, V. (2024). A simple process to analyze free sorting data given incomplete block designs. *Science Talks*, 100336.
<https://www.sciencedirect.com/science/article/pii/S2772569324000446>

Llobell, F., Bonnet, L., & Giacalone, D. (2024). Assessment of panel performance in CATA and RATA experiment. *Journal of Sensory Studies*, 39(4), e12941.
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Llobell, F., Choisy, P., Chheang, S. L., & Jaeger, S. R. (2024). Measurement and evaluation of participant response consistency in Case 1 Best-Worst-Scaling (BWS) in food consumer science. *Food Quality and Preference*, 105335.
<https://www.sciencedirect.com/science/article/pii/S0950329324002374?dgcid=author>

Jaeger, S. R., Chheang, S. L., Llobell, F., & Cardello, A. V. (2024). Consumers' Expectations of Liking, Emotional, Conceptual and Sustainability Characteristics of Dairy, Plant-Based and Sustainable Yoghurts. *Journal of Sensory Studies*, 39(6), e12955.
<https://onlinelibrary.wiley.com/doi/10.1111/joss.12955>

Llobell, F., & Giacalone, D. (2025). Two Methods for Clustering Products in a Sensory Study: STATIS and ClusMB. *Journal of Sensory Studies*, 40(1), e70024.
<https://onlinelibrary.wiley.com/doi/10.1111/joss.70024>

Jaeger, S. R., Chheang, S. L., & Llobell, F. (2025). Applications of the ErrVarNorm index in case 1 best-worst scaling and data quality insights. *Food Quality and Preference*, 105730.
<https://www.sciencedirect.com/science/article/pii/S0950329325003052?via%3Dihub>

POSTERS

Llobell, F., Cariou, V., Vigneau, E., Qannari, E. M. (Eurosense 2020). Rapid sensory techniques: Multivariate data analysis and software implementation.

Taylor, Y., Llobell, F., Qannari, E. M. (Eurosense 2020). Multi-block data analyses for the statistical treatment of preference data.

Llobell, F., Giacalone, D., Qannari, E. M. (Pangborn 2021). Cluster Analysis of products in CATA experiments.

Cardello, A., Llobell, F., Giacalone, D., Roigard, C., Jaeger, S.R. (Eurosense 2022). Plant-based alternatives to dairy milk: Determining drivers of product liking (sensory, emotional, cognitive, situational use) in four consumer segments.

Bonnet, L., Llobell, F., Qannari, E.M. (Pangborn 2023). Assessment of the panel performance in a RATA experiment.

Jaeger, S.R., Llobell, F. (Eurosense 2024). Best-worst scaling (BWS) in food consumer science: Why, when and how?

Llobell, F & Cariou, V. (August 18, 2025). Add a noise cluster in a assessor cluster analysis: why, when and how? Pangborn conference, Philadelphia, USA.

WEBINARS/WORKSHOPS

Llobell, F., Vigneau, E., Qannari, E.M. (October 4, 2022). Multivariate data analysis and clustering of subjects in a Just about right task. Webinaire de la SFAS, Virtual.

Llobell, F., Bonnet, L., Qannari, E.M. (June 27, 2023). Using CATA for sensory profiling: assessment of the panel performance. Webinaire de la SFAS, Virtual.

Llobell, F., Vigneau, E., Castura, J. (August 20, 2023). Why and how to cluster consumers based on their product-related responses. Pangborn sensometrics tutorial, Nantes, France.

Llobell, F., Anagnostou, E. (June 3, 2024). A comprehensive guide to efficiently analyze Sensory data with XLSTAT. Sensometrics tutorial, Paris, France.

Llobell, F., Choisy, P. (August 17, 2025). Sensory and consumer data: use multivariate analysis to discover main insights with XLSTAT. Pangborn sensometrics tutorial, Philadelphia, USA.

Llobell, F. (August 21, 2025). Data diagnostics after collection: ensuring validity and reliability in consumer research. Pangborn workshop, Philadelphia, USA.