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ESMira: An open-source, Smartphone-based Experience Sampling Method tool.

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In the last few years, Smartphones have increasingly been used in Experience Sampling Method (ESM) design studies where participants are required to answer questions, usually on a daily basis within a pre-defined time frame. Unfortunately, most available software tools to realize such ESM designs are either costly or require profound technical knowledge. The free open-source tool ESMira aims to fill this gap. Its main features are: 1) flexible questionnaire design with a multitude of different item options; 2) advanced time-based notifications as well as event-based sampling triggered by Smartphone-specific events; 3) multiple languages per study; 4) data is saved on the researchers' own server; 5) easy project administration through a browser-based web-administration tool; 6) extensive data viewer; 7) available as Android, iOS, and Web-version; 8) inbuilt chat feature enables participants and researchers to communicate anonymously; 9) real-time graphical feedback for users and researchers. ESMira (<https://esmira.kl.ac.at/?about>) is already actively used in research and prides itself in being very flexible, easy to set up, and developed particularly for research purposes.

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