

Using R for Statistical Analysis of Clinical Pharmacokinetic Studies – An Interactive Webinar

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AUDIENCE ASKED QUESTIONS

1. *Can you discuss PopPK models and the impact of covariance in clinical PK simulations?*

PopPK models are frequently used to guide e.g., therapeutic individualization. With the `ncappc` package, there is an option to evaluate the performance of the simulated PopPK data in comparison to the NCA PK parameters obtained in the NCA analysis.

2. *How to better analyze the correlation matrix? What are the different dollar values and their importance, and how do you choose those values?*

It is possible to analyze the correlation matrix in R, I have not seen the correlation matrix in relation to the NCA analysis.

3. *How to let R derive extrapolated AUC (i.e., sample collection stopped prior to tau, but want to derive AUCtau)?*

The NCA packages in R work with both single dose and steady state, including the `ncappc` package. For specifications on how to derive AUCtau we recommend looking at the package manuals.