

# rmn<sup>2</sup> Teaching Program



## 2020/21

<b>Name der Veranstaltung</b>		Essential Statistics			
verantwortlicher Dozent/in	Akad. Titel Vorname Name	Jun.-Prof. Dr. Maik C. Stüttgen			
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weitere Dozent/innen (Akad. Titel Vorname Name)		Prof. Dr. Albrecht Stroh			
Verantwortliche Einrichtung		Institut für Pathophysiologie, UM Mainz			
Veranstaltungsform (Praktikum, Workshop, etc)		Crash Course / Lecture with Exercise Sessions; students are expected to bring their own laptops running copies of			
Veranstaltungsadresse		Seminar Room 5 (01-355), Vorklinisches Lehrzentrum (VLZ),			
Unterrichtssprache		Englisch			
Beginn und Ende der Veranstaltung	Datum	von	05.10.2020	bis	09.10.2020
	Montag	von	09:00	bis	17:00
Termine	Dienstag	von	09:00	bis	17:00
	Mittwoch	von	09:00	bis	17:00
	Donnerstag	von	09:00	bis	17:00
	Freitag	von	09:00	bis	17:00
<b>maximale Teilnehmerzahl</b>		25			
<b>minimale Teilnehmerzahl</b>		6			
<b>Maximale Fehltermine</b>		0			
Besondere Kriterien zur Erlangung der Credit Points		keine			
Inhalt, bzw. Ziel der Veranstaltung Sonstige Bemerkungen		<p><i>"Unfortunately, too many people like to do their statistical work as they say their prayers – merely substitute in a formula found in a highly respected book written a long time ago"</i> (Hotelling et al., Annals of Mathematical Statistics 19:95).</p> <p>Although this statement is now 60 years old, it still holds true. The teaching goal of this course, therefore, is to provide a deeper understanding of statistical methods, which can only be achieved by teaching students some of the basics of probability theory.</p> <p>We will start out with descriptive statistics, including correlation, regression, and effect size measures. Touching upon probability theory, we will then delve into the realms of inferential statistics. Rather than covering two dozen different hypothesis tests, we will exploit the fact that all these tests follow a common logic ("null-hypothesis significance testing (NHST)"). This logic can best be</p>			
ausgefüllt von		Maik Stüttgen			
ausgefüllt am		31.01.2020			