University of Cologne

Cologne,
December 06, 2021

QMCS
Quantitative Modeling
of Complex Systems

**Competence Area 3:
Quantitative Modeling
of Complex Systems**

Speaker:
Prof. Dr. Joachim Saur

Coordinator:
Dr. Christian Fischer

**Institute of Geophysics
and Meteorology**
Pohligstraße 3
50969 Köln

Certificate of Attendance for the Late Summer School
Machine Learning for Language Analysis

Participant: João Coelho
Date: August 30 – September 3, 2021

To whom it may concern,

This is to certify that João Coelho participated in the track '*Text Analysis with Deep Learning*' of the Virtual Summer School 'Deep Learning for Language Analysis'. The summer school took place as a virtual event at the University of Cologne, Germany, from August 30 to September 3, 2021. The school's program consisted of an introduction to machine learning for the analysis of natural languages as well as hands-on programming sessions dealing with more specific questions from the field.

The summer school was organized by the Competence Area 3: *Quantitative Modeling of Complex Systems*, the Center for Data and Simulation Science, the Department for Digital Humanities, the Cologne Center for eHumanities and the Data Center for the Humanities of the University of Cologne.

Best regards,

Christian Fischer
(for the local organizing committee)