

TRAVELS IN THE 19TH-CENTURY OTTOMAN EMPIRE

A Digital History Research Project

The Reshuffling of Middle Eastern Identities in the Age of Nationalism: Insights from 19th-Century Travelogues

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Travelogues Project, Vienna, 28.-30.11.2019

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Overview

- (Digital) research tools and resources for travelogues
- www.digiberichte.de (2007 – now)
- www.middle-east-travelers.de (2018 – now)
- Research tools:
 - www.opensemanticsearch.org
 - Facetted KWIC Search (Solr based)
 - Visualization of Itineraries (Open Street Map, leaflet.js)
 - Named Entity Recognition with Deep Learning Algorithms

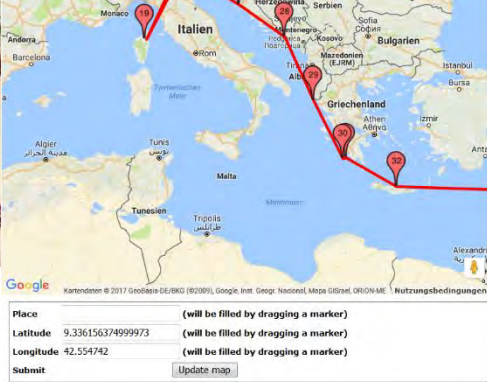
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Müller (2005): Prosopographie

- Müller, Ralph C. (2005): Prosopographie der Reisenden und Migranten ins Osmanische Reich (1396 - 1611) : (Berichterstatter aus dem Heiligen Römischen Reich, außer burgundische Gebiete und Reichsromania), Leipzig.
- 4334 pages! 10 volumes, 3665 travelers
- PDF on CD-ROM, printed database...
- Ends in early 17th century...





Bibliography

The majority of the material provided here is based on the so-called "historical bibliography" of medieval travel accounts that have been edited under the direction of Prof. Werner Paravicini and published by Peter Lang in 1976. Only bibliographies of German, French and Italian travel accounts have been published, but there was always the idea of including material for the other European countries (especially Italy, England, Spain, Portugal, Scandinavia and East-Central Europe). Digitization is therefore possible information also for countries from these countries that are lacking.

News

Due to the origin of the material that was originally not collected for digitization, the quality of PDF files may vary from time to time. Therefore, OCS reader can be very fast in several files. Please be aware that in some other reading, other files may be faster. We intend to be for a particular user or group that may be that. But not all of it. The original text, especially the text, may not be recognized with OCS. Another limitation is the reference page standard of bibliographical references. These references were widely used in the published text were used to collect data for the printed versions of the "historical bibliography of travel accounts of the late middle ages".

Disclaimer

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Credits

Beside the authors of the analytical bibliographies the following students have conscientiously contributed to:

www.digiberichte.de

- Building on analytical Bibliographies of late medieval travel accounts (1994-2001).
- Online since 2007, second relaunch in 2019.
- Itineraries manually extracted from travelogues, geocoding and visualization through google maps API. Dragable markers for easy error correction (since 2014). List of placenames etc.
- 2007 – 2019 database serial full text search in Editions and research literature – KWIC and hit count for copyright protected texts.
- Planned for 2020: index based search (solr) on copyright free material.



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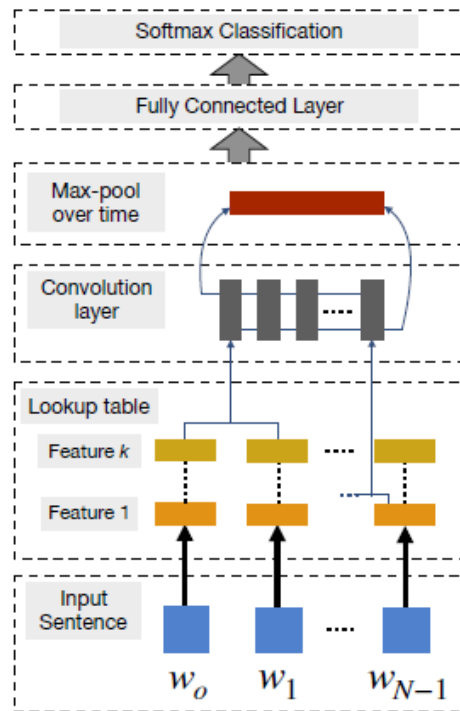
www.middle-east-travelers.de

- Digital tools: minimizing manual correction – maximizing the coverage of the material - accepting (some) error in OCR and NER
 1. Named Entity Recognition with [Open Semantic Search](#) (Spacy)
 2. Building facets with controlled vocabulary (PlaceNames, Persons, Topics)
 3. When training material is ready, continue and improve NER with DL

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- Make use of word embedding and a convolutional neural network (CNN) to increase recall and precision of NER.
- Expanding the [Open Semantic Search](#) platform for Linked Open Data publication.
- Provide a platform for interdisciplinary research on travelogues with a focus on European travelers to the middle east.

Abbildung 1: Funktionsprinzip eines CNN Frameworks zur Vorhersage der Klasse eines Wortes bei der Erkennung bzw. Zuordnung von Entitäten. Young et al. 2018, Fig. 5 (nach Collobert & Weston 2008).



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- State of the project: application phase – funding needed to experiment with CNN NER and adopt Open Semantic Search for our needs
- Full text search and KWIC / faceted search via Open Semantic Search can be implemented via iframe. All other services (itineraries, visualization, identifications etc.) can only be implemented with funding!



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Open Semantic Search Interface

Vorschau Entites Bilder Videos Audios Map Analyse

Sort
Neueste

Neueste 10 der insgesamt 18 indizierten Dokumente Nächste »

Travels from India to England
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[Alexander_1827_Travels_from_India_to_England.pdf](#)

Travels from India to England ***** TRAVELS Jo'RO- I N D I A T O E N G L A N D ***** Digitized by Google - THE NEW YORK PUBLIC LIBRARY ASTOR LENOX TILDEN FOUNDATION digitized by Google

Author(s): Sir James Edward Alexander Tags: Nation Locations: London Turkey Constantinople Email: tr@ted

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Baldensperger_1913_Palestine.txt
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Tags: Nation Locations: London Turkey

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[Amstrong_1831_Journal.pdf](#)

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Author(s): T. B. Armstrong Locations: London Turkey Constantinople

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Dateiverzeichnisse

Travelers (15) -
OSDS-Exchange (3) -

File date

2019 (9)
2018 (9)

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Nassau William Senior (1) -
Sir James Edward Alexander (1) -
Sir William Mitchell Ramsay (1) -
T. B. Armstrong (1) -

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Persons

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Constantinople (3) -
Contents (3) -
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Thank you very much for your attention!