Technische Universität München

Chair of Traffic Engineering and Control

Course: Transportation Systems in Germany

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# The Railway Network in Germany

# Research Question

Why is rail the first choice for passenger transportation in Germany?

## Overview

	Infrastructure	Passengers	Goods
	Length	Carried	Transported
	(1000 km)	(million)	(billion tonnes)
Rail	38	2708	367
Road	230	9471	3539
	-	+58266	-
Water	8	-	292
Pipeline	2	-	91
Air	-	194	4
Total	278	12373	4293

Data from Statistisches Bundesamt (Destatis)

# Deutsche Bahn Passenger Service

Internaional / National (Fernverkehr)

- Intercity-Express (ICE)
- InterCity (IC) / EuroCity (EC)

Regional (Nahverkehr)

- Interregio-Express (IRE)
- Regional-Express (RE)
- Regionalbahn (RB)
- $\bullet$  S-Bahn

# Some Other Notable Passenger Rail Operators in Bavaria

- SNCF TGV (FR)
- ÖBB Railjet (AT)
- ÖBB Nightjet (AT, CH, IT, +)
- alex (CZ)
- Meridian (AT)

## Connections

- S-Bahn
- U-Bahn
- Tram
- Bus
- $\bullet$  Taxi
- Bike Parking
- $\bullet$ Rail&Fly

- AIRail
- Call A Bike
- Flinkster (Carsharing)

#### **Tickets**

- Flexpreis
- Sparpreis
- Special Tickets e.g. Bayern Ticket
- BahnCard

### Recreational Destinations in Bayaria

- Bayern Ticket
  - Augsburg
  - Füssen (Neuschwanstein and Hohenschwangau)
  - Garmisch-Partenkirchen
  - Nürnberg
  - Regensburg
  - Salzburg
  - Schliersee
  - Tegernsee
- S-Bahn
  - Ammersee
  - Dachau Concentration Camp
  - Freising Weihenstephan
  - Starnberger See

# Laws and Regulations

- Railways Restructuring Act (1993)
- Ordinance on the Construction and Operation of Railways (Eisenbahn-Bau-und Betriebsordnung)
- Ordinance on the Construction and Operation of Street Railways (Verordnung über den Bau und Betrieb der Straßenbahnen)
- Ordinance on the Construction and Operation of Narrow-Gauge Railways (Eisenbahn-Bau-und Betriebsordnung für Schmalspurbahnen)

### Conclusion

Through comprehensive service, management, planning, standardization, and integration, Deutsche Bahn delivers a high-quality passenger experience that is the first choice for passenger transportation in Germany.

### References

- [1] Deutsche Bahn https://www.bahn.com [Accessed 23 May 2017].
- [2] Statistisches Bundesamt (Destatis) https://www.destatis.de/EN/FactsFigures/EconomicSectors/TransportTraffic/Transport.html [Accessed 23 May 2017].

Download this handout and accompanying slides: https://github.com/davidbailey/tum/tree/master/The\_Railway\_Network\_in\_Germany