

Analysis of USAir97 network

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General information

US Air 97 Network has **332** nodes and **2126** edges.

Nodes represent Airports in the United States and edges represent routes between these airports.

Each edge has weights with indicated how many flights are on given route.

Top US airports

Top ten airports with flights to/from most other airports:

- ▶ Chicago O'hare Intl
- ▶ Dallas/Fort Worth Intl
- ▶ The William B Hartsfield Atlan
- ▶ Pittsburgh Intl
- ▶ Lambert-St Louis Intl
- ▶ Charlotte/Douglas Intl
- ▶ Stapleton Intl
- ▶ Minneapolis-St Paul Intl/Wold-
- ▶ Detroit Metropolitan Wayne Cou
- ▶ San Francisco Intl

Top US airports

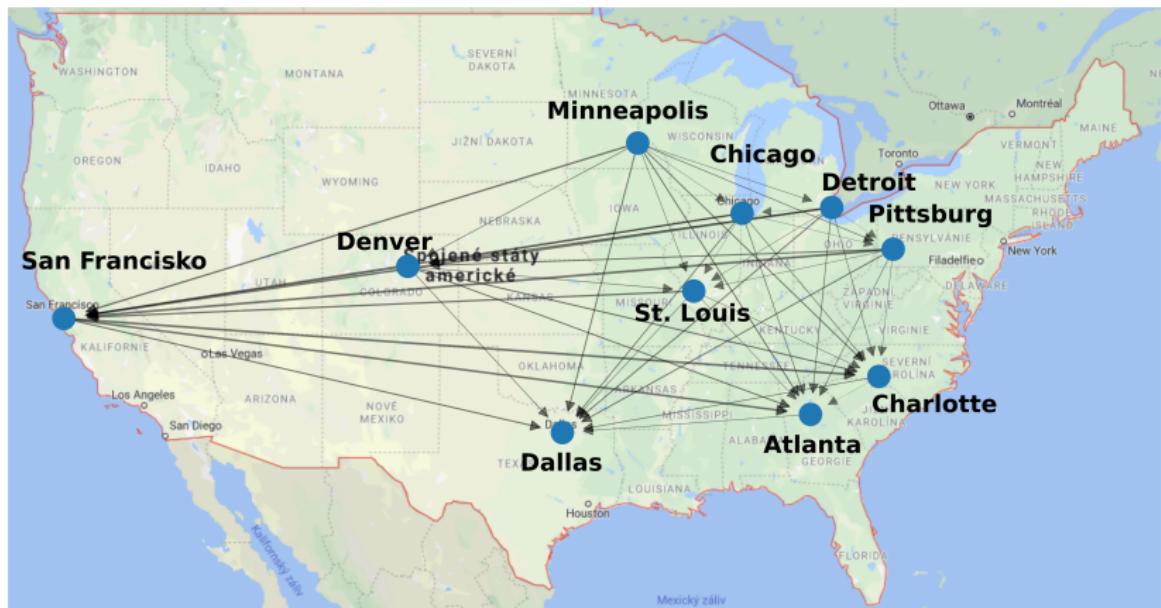


Figure 1: Airports with flights to/from most other airports - map

Top US airports

Top ten airports with most flights:

- ▶ Chicago O'hare Intl
- ▶ Dallas/Fort Worth Intl
- ▶ Los Angeles Intl
- ▶ Minneapolis-St Paul Intl/Wold-
- ▶ The William B Hartsfield Atlan
- ▶ Seattle-Tacoma Intl
- ▶ Stapleton Intl
- ▶ San Francisco Intl
- ▶ Lambert-St Louis Intl
- ▶ Newark Intl

Centralities

In degree centrality:

- ▶ Chicago O'hare Intl: 0.12084592145015105
- ▶ **Dallas/Fort Worth Intl: 0.2326283987915408**
- ▶ Los Angeles Intl: 0.1268882175226586
- ▶ Minneapolis-St Paul Intl/Wold-: 0.04229607250755287
- ▶ The William B Hartsfield Atlan: 0.1933534743202417
- ▶ Seattle-Tacoma Intl: 0.02416918429003021
- ▶ Stapleton Intl: 0.11178247734138973
- ▶ San Francisco Intl: 0.11178247734138973
- ▶ Lambert-St Louis Intl: 0.13595166163141995
- ▶ Newark Intl: 0.060422960725075525

Centralities

Out degree centrality:

- ▶ **Chicago O'hare Intl: 0.2990936555891239**
- ▶ Dallas/Fort Worth Intl: 0.12386706948640483
- ▶ Los Angeles Intl: 0.0513595166163142
- ▶ Minneapolis-St Paul Intl/Wold-: 0.1933534743202417
- ▶ The William B Hartsfield Atlan: 0.11178247734138973
- ▶ Seattle-Tacoma Intl: 0.14803625377643503
- ▶ Stapleton Intl: 0.14501510574018128
- ▶ San Francisco Intl: 0.09365558912386707
- ▶ Lambert-St Louis Intl: 0.14803625377643503
- ▶ Newark Intl: 0.1419939577039275

Centralities

Degree centrality:

- ▶ **Chicago O'hare Intl: 0.4199395770392749**
- ▶ Dallas/Fort Worth Intl: 0.3564954682779456
- ▶ Los Angeles Intl: 0.1782477341389728
- ▶ Minneapolis-St Paul Intl/Wold-: 0.23564954682779457
- ▶ The William B Hartsfield Atlan: 0.30513595166163143
- ▶ Seattle-Tacoma Intl: 0.17220543806646527
- ▶ Stapleton Intl: 0.256797583081571
- ▶ San Francisco Intl: 0.2054380664652568
- ▶ Lambert-St Louis Intl: 0.283987915407855
- ▶ Newark Intl: 0.20241691842900303

Centralities

Closeness centrality:

- ▶ **Chicago O'hare Intl: 0.6073394495412844**
- ▶ Dallas/Fort Worth Intl: 0.5544388609715243
- ▶ Los Angeles Intl: 0.5245641838351822
- ▶ Minneapolis-St Paul Intl/Wold-: 0.5399673735725938
- ▶ The William B Hartsfield Atlan: 0.5355987055016181
- ▶ Seattle-Tacoma Intl: 0.5262321144674086
- ▶ Stapleton Intl: 0.5245641838351822
- ▶ San Francisco Intl: 0.533011272141707
- ▶ Lambert-St Louis Intl: 0.5287539936102237
- ▶ Newark Intl: 0.4932935916542474