

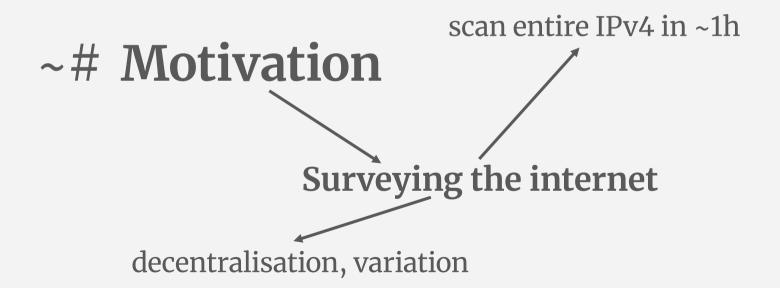
Aggregation & Analysis of IPv6 Prefixes at Internet-Scale

by Philipp Nowak

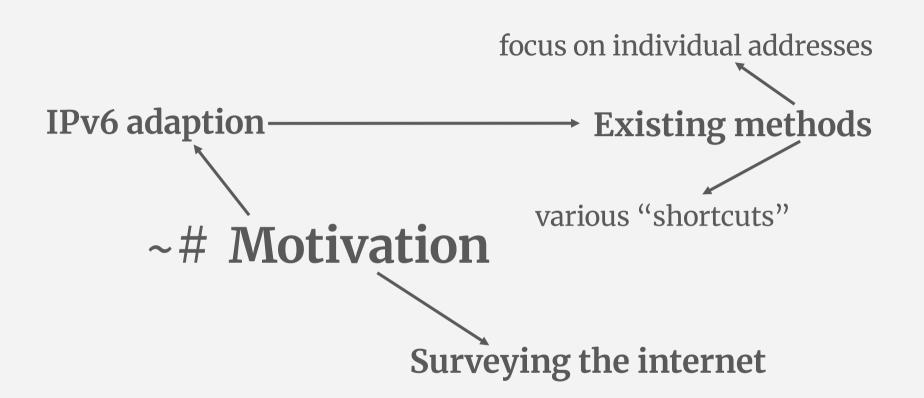
SE 180.777 Seminar for Master Students in SE & IC 2022W

Cloud Picture: Clipart Max

~# Motivation



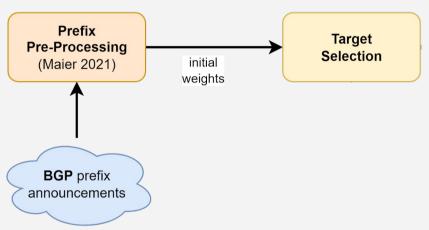
IPv6 adaption ~# Motivation Surveying the internet

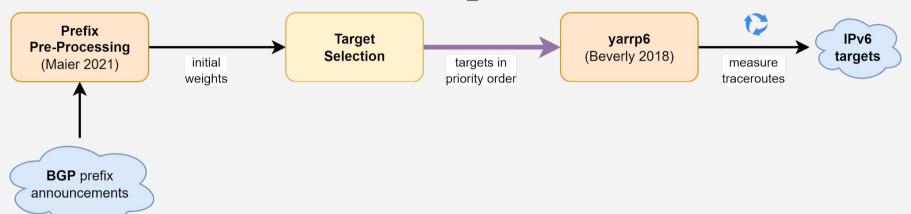


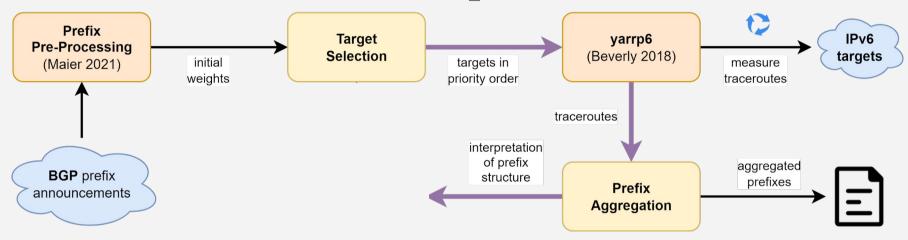
~# How can we do better?

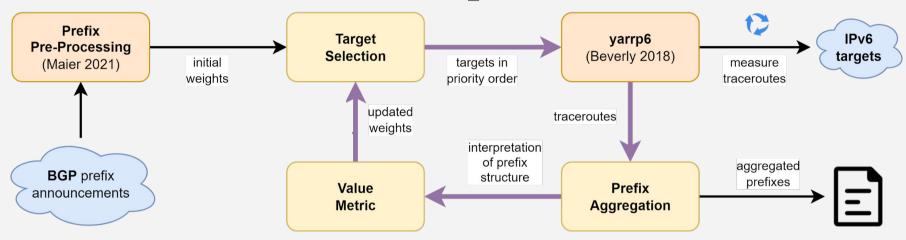
~\$ How can we do better?

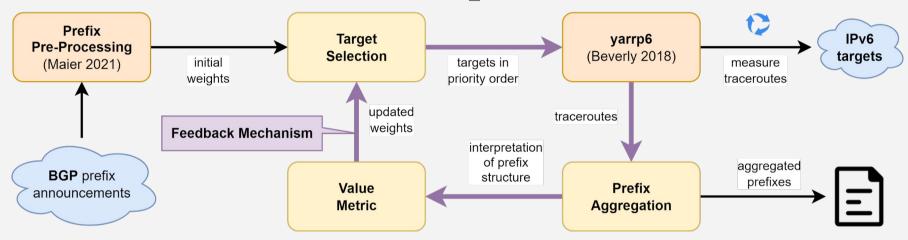
- entire BGP IPv6 internet as search space
- operation on prefix level
- feedback of past measurements











~\$ Scientific Method

- ◆ Literature Review → Measurement Setup
- Experiment → Qualitative & Quantitative Evaluation
 - > results of similar works
 - > previous measurement rounds
 - > other ground truth data?

~\$ Goals

- Develop/Enhance methods:
 - > prefix aggregation
 - > value metric
 - > feedback loop
- Evaluate their effectiveness

~# What questions are there?

proposal text with full citations:

