Methods (each with sample, procedure, statistical analyses)

1. USA Construction

* american sample (n=726), 525 items out of IPIP pool
* split up for EFA and CFA (how?...)
* EFA
  + 5 domains were assumed, now looking for how many facets per domain 🡪 MAP and parallel test
  + based on that EFAs were calculated, Geomin rotated (because facets were assumed to correlate)
  + decision for a certain amount of facets per domain based on model fits and interpretability of the facets (table of model fits and amount of facets)
* CFA
  + measurement models for all facets to examine the fit of the facet structure
  + after that each facet reduced to 5 items (based on item content and loading patterns)
  + next step: all facets belonging to one domain were specified in a structural model; then all together in a five domain structural model

2. German translation

* five items per facet (from CFA with American sample) were translated/backtranslated, tested on german sample
* same CFAs as with the American sample

3. Measurement invariance

* after all, measurement invariance between german and US sample was analyzed
* configural measurement invariance was assumed, because in both samples the same facet structure got reported (confirmed by CFAs)
* cut offs to factorial and string factorial invariance

Results

1. USA construction

2. German translation

3. Measurement invariance