JOINT FLORIDA
Model Task Force & Transportation
Data and Analytics Workshop

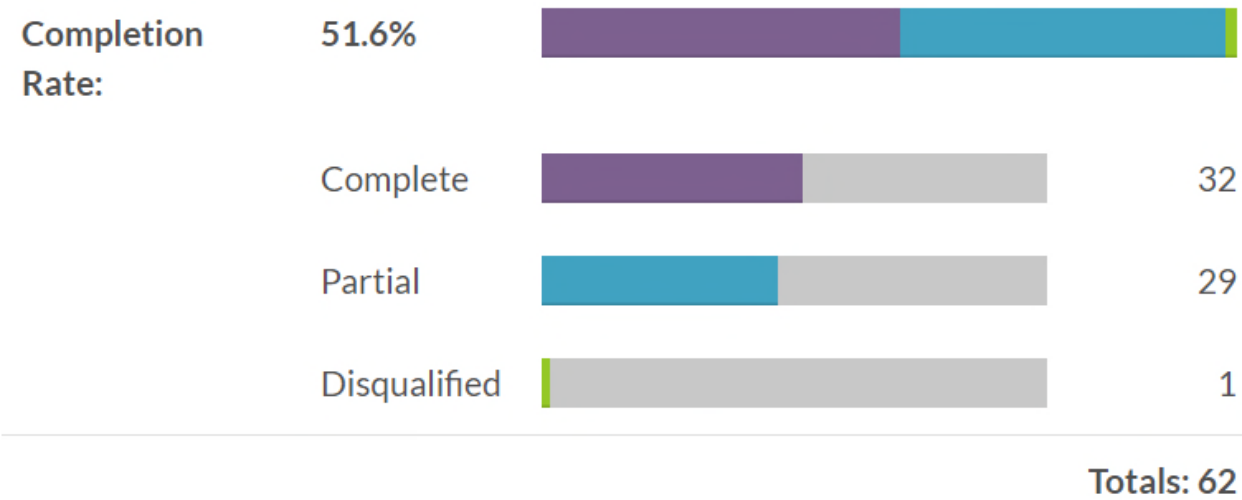
FTO FORECASTING & TRENDS OFFICE
FDOT TDA TRANSPORTATION DATA & ANALYTICS

Model User Survey Results

Survey Purpose

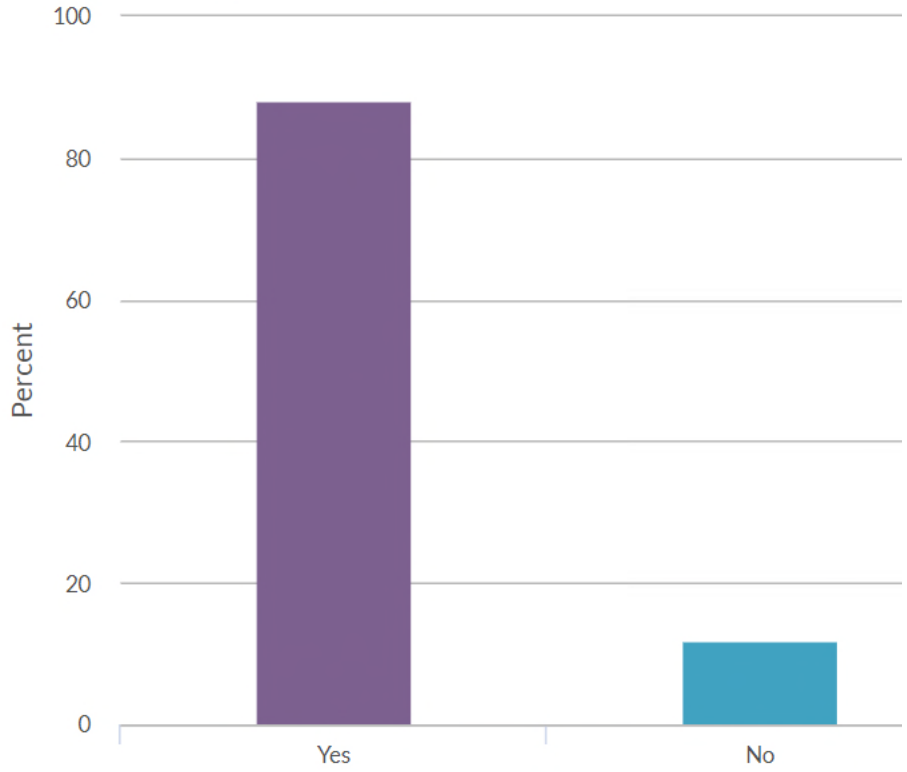
- MTF Model Advancement Committee is conducting a survey to understand how models are being used under the current landscape.
- An update to a similar 2016 study, this survey will determine how Florida models are being applied, measure their effectiveness, and point to areas of needed improvement.

Response Rate

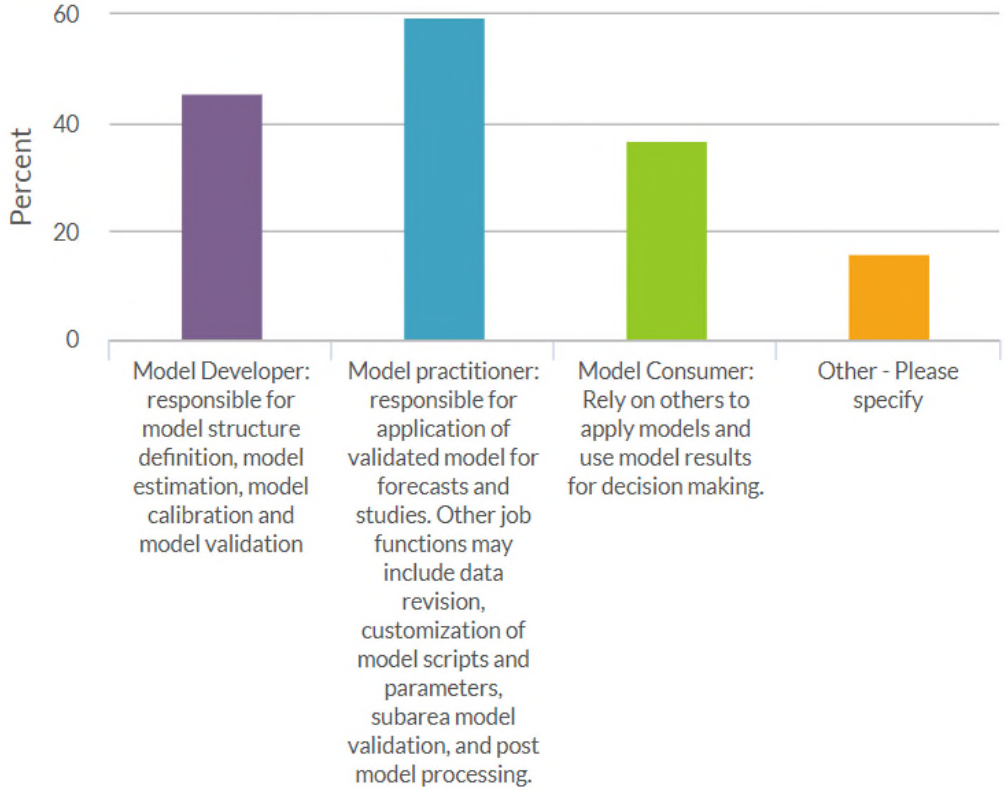


Respondent Profile

1. Do you work with travel demand models in Florida?



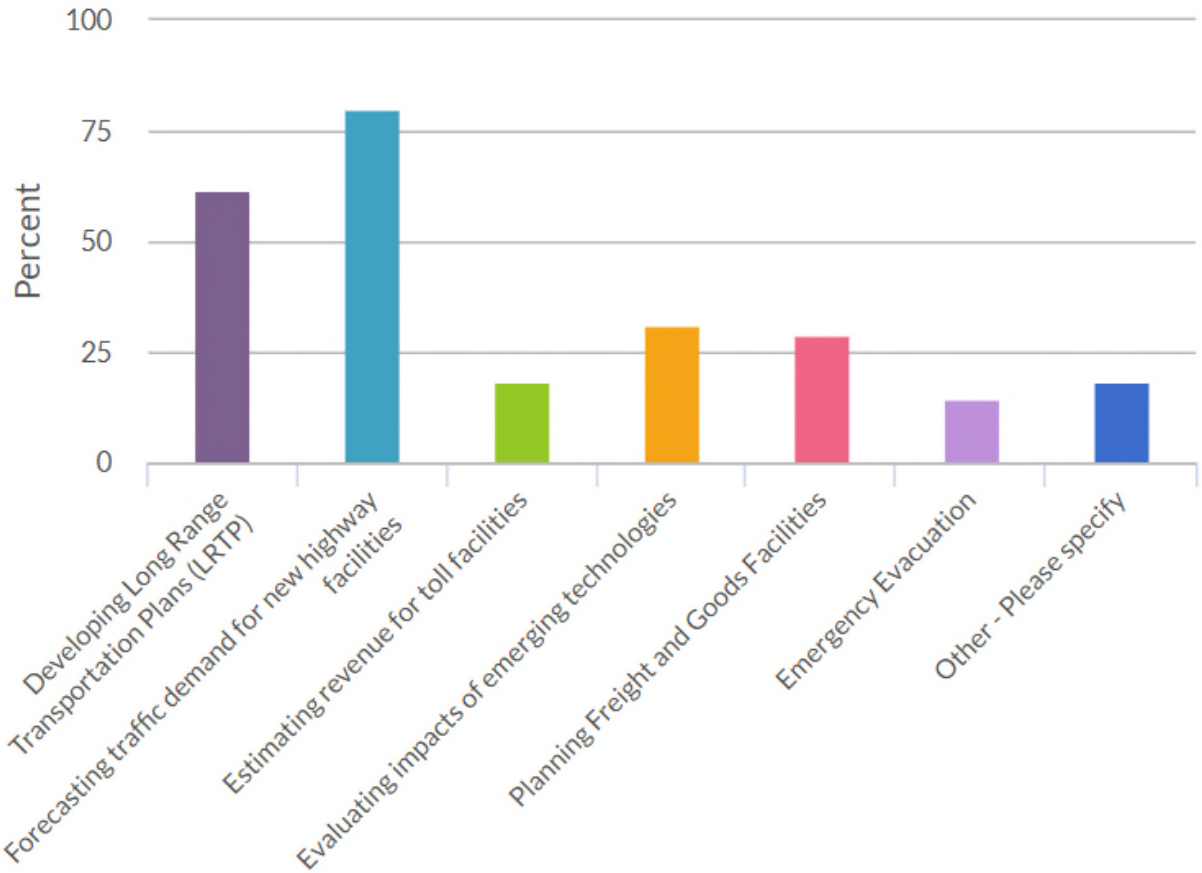
2. Please describe your model usage profile (Check all that apply)



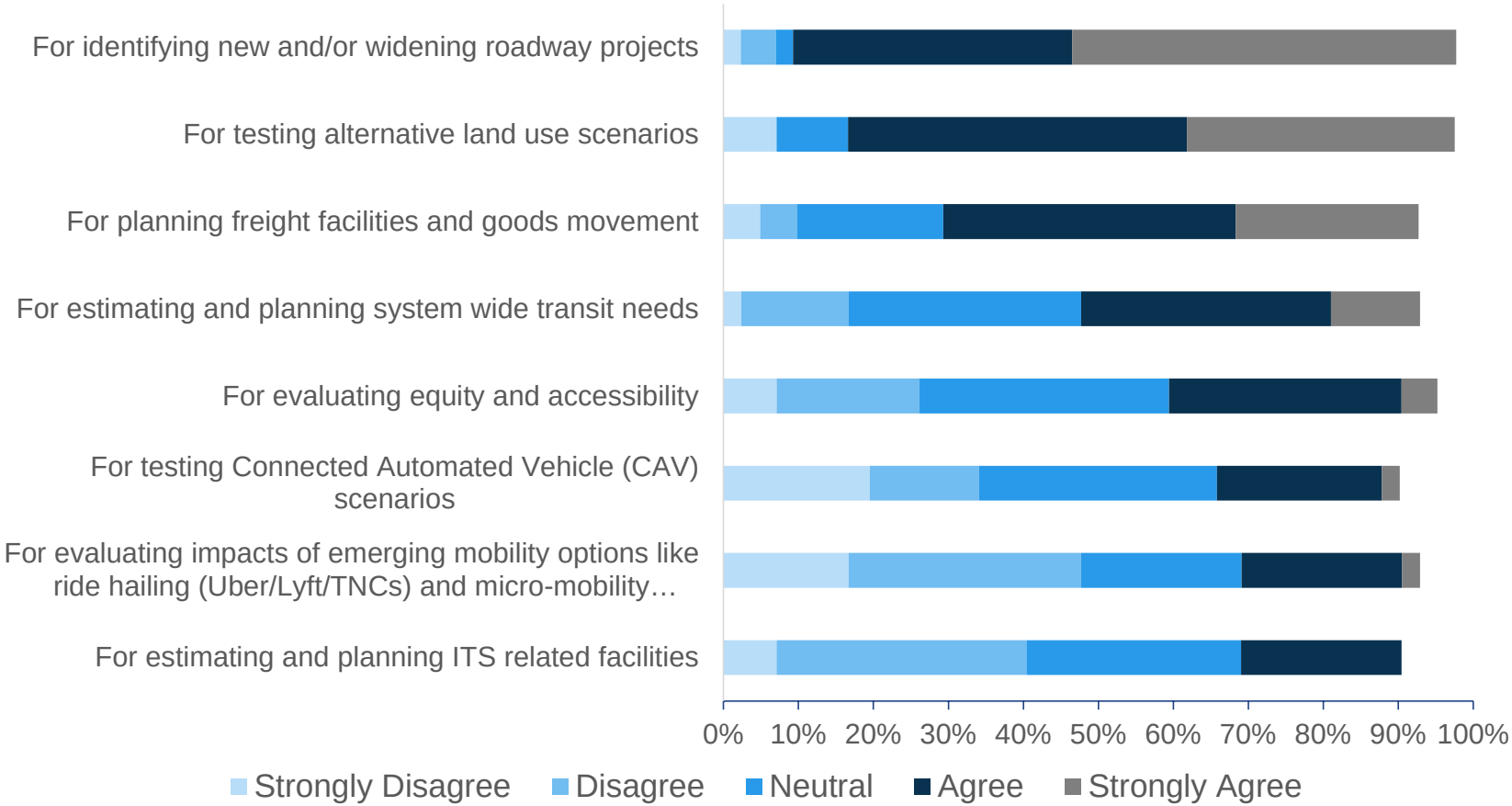
Best Responses to “Other: Please Specify”

- Model guy
- Guy

Model Usage

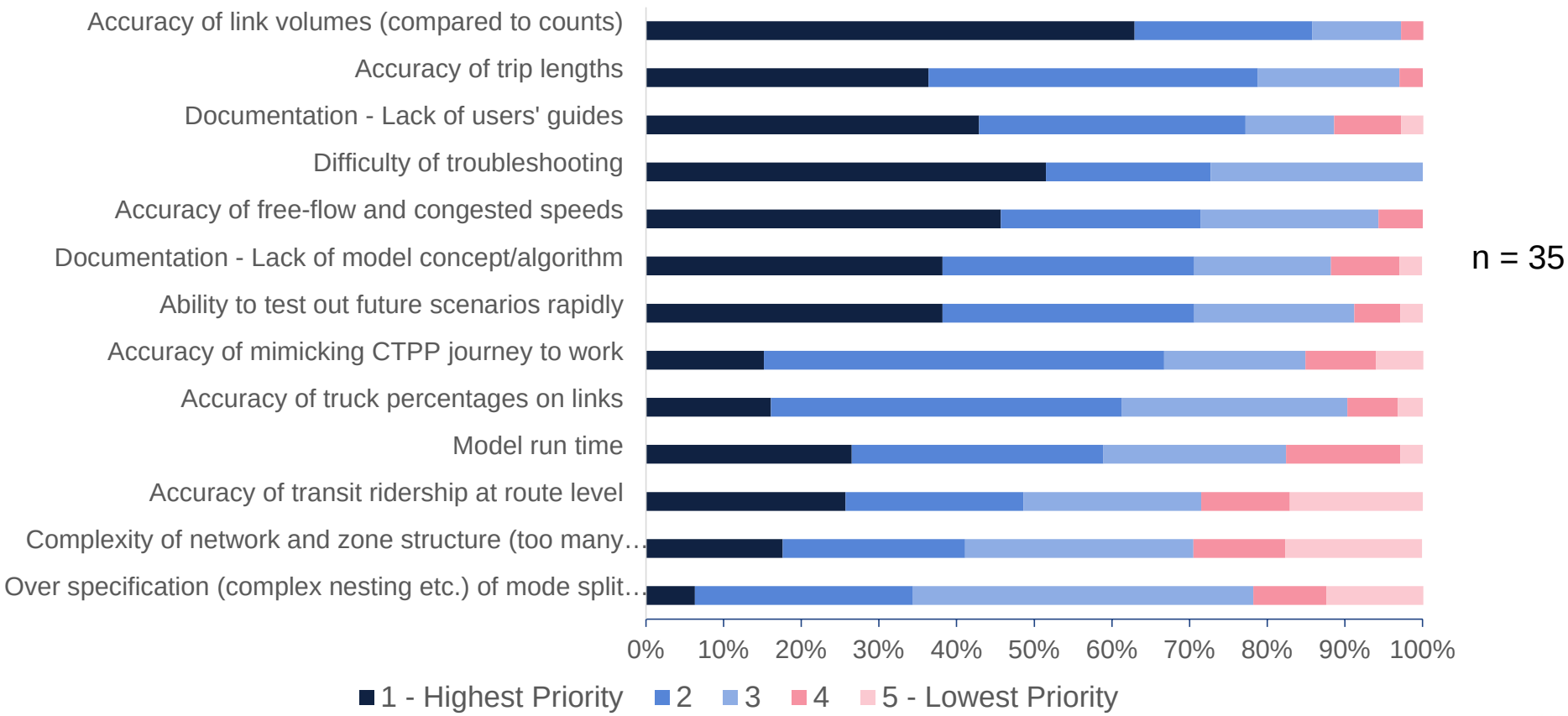

100
75
50
25
0
Percent
Developing Long Range Transportation Plans (LRTP)
Forecasting traffic demand for new highway facilities
Estimating revenue for toll facilities
Evaluating impacts of emerging technologies
Planning Freight and Goods Facilities
Emergency Evacuation
Other - Please specify

FSUTMS Models are an Effective Tool



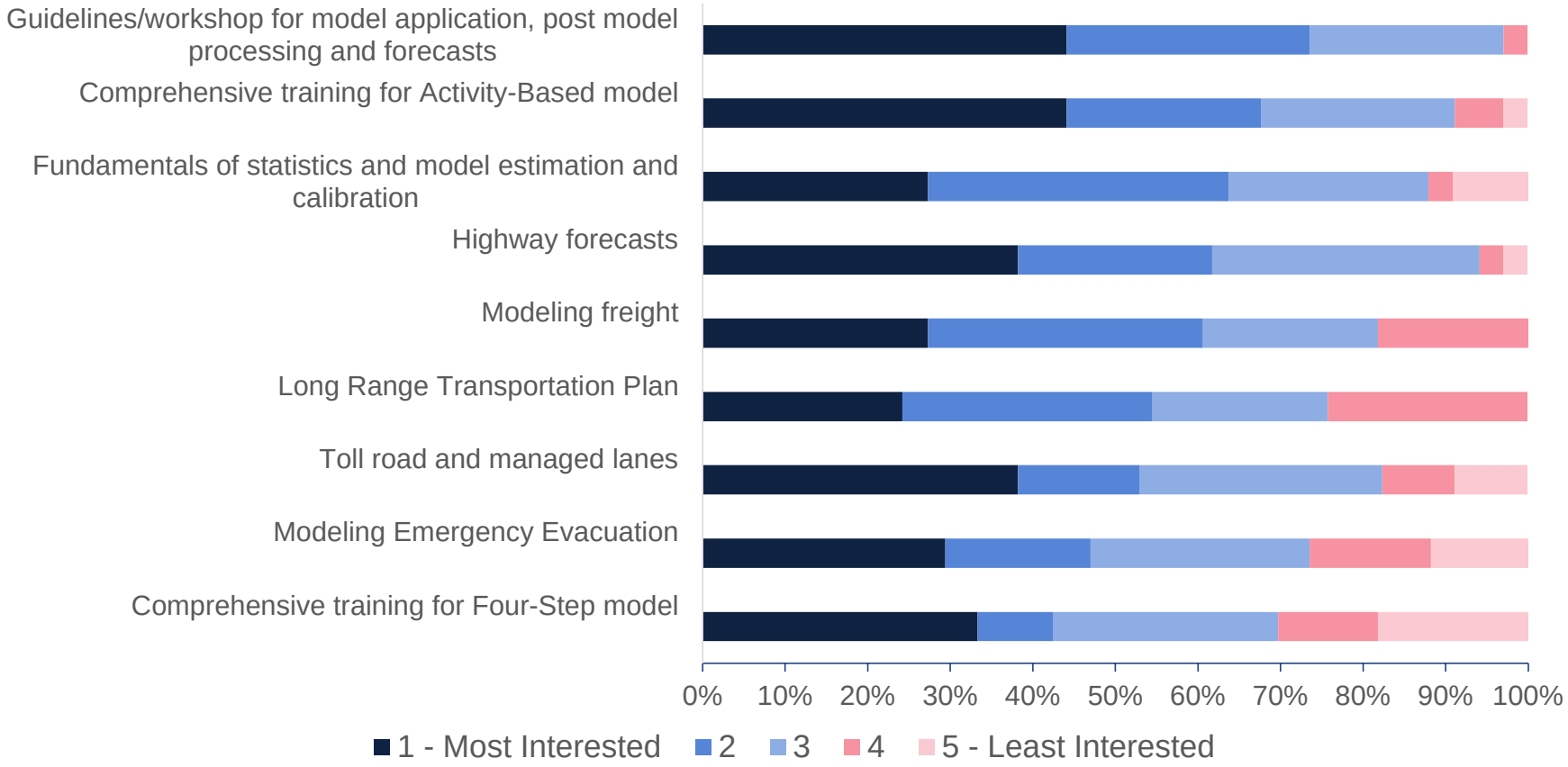
n = 35

Key Concerns regarding Travel Demand Models



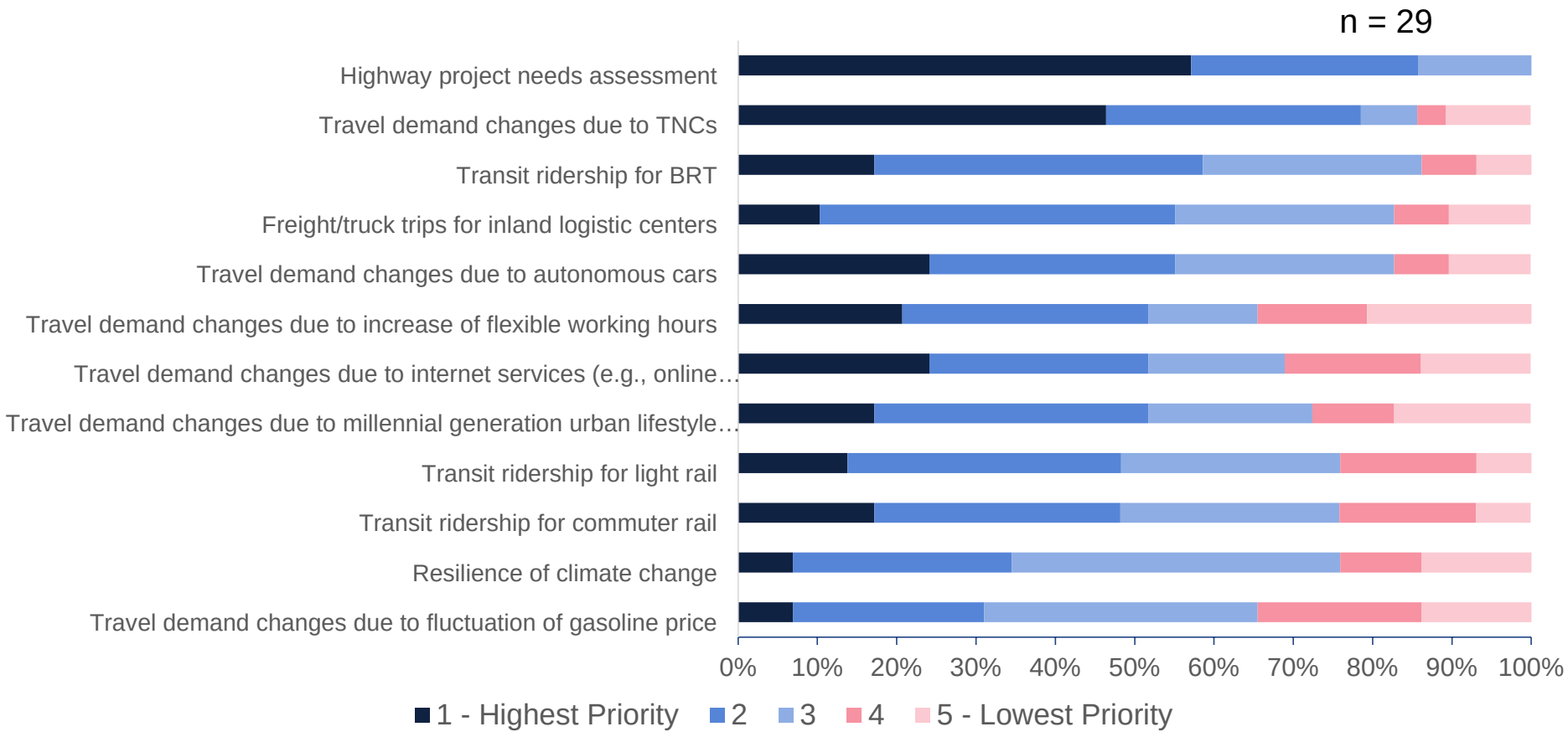
n = 35

Interest in Training



n = 34

Types of Model Projections Needed



Subarea Validation

Ever done subarea validation

Value	Percent	Responses
Yes	47.6%	20
No	52.4%	22
		Totals: 42

Issues related to Model Development and Applications for LRTP

- Q5

Model Improvements for LRTPs

- Q6

New Data Sources (Q9)

- Passive O-D Data (Streetlight, INRIX, LOCUS, HERE, etc.)
- RITIS/NPMRDS Data
- Ride Hailing data (Uber/Lyft etc.)
- Satellite Data
- Census 2020
- Issue is not data source but access to underlying law data and transparency in data processing algorithms

How to make FSUTMS Models More Agile

- Q10

Practical Model Enhancements Implemented in the next 3 years

- Q11

Additional Comments and Suggestions (Q15)

- Better standardization across Florida models and less proprietary influence on model development
- Improve Macroscopic – Microscopic coordination/integration
- Maintain FSUTMS uniqueness
- Continue focus on BRT and Rail
- Break dependency of single software vendor
- FSUTMS changes needed to keep with the times