



Transportation Systems Career Field In-Demand Jobs Data

The Transportation Systems career field prepares students for careers in in automotive, truck and aviation service and repair. The list of careers used in the figures below can be found in the Appendix.

Figure 1.

Projected Growth of Transportation Systems Jobs in Ohio (2031)

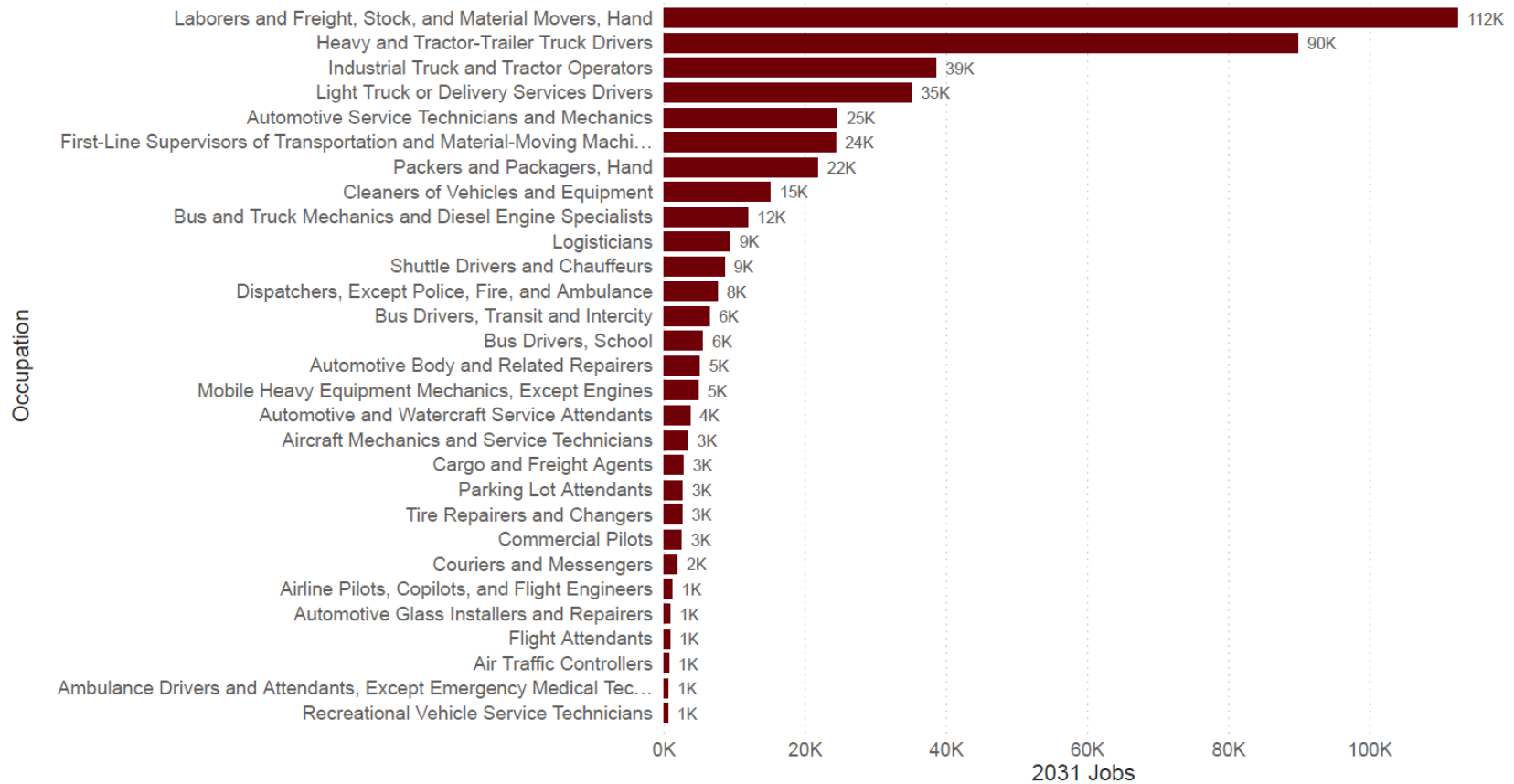


Figure 1 shows the highest in-demand occupations projected for 2031 in the Transportation Systems career field, with Laborers and Freight, Stock, and Material Movers, Hand topping the list with over 112,000 jobs in Ohio in 2031.



Figure 2.

Projected Growth of Transportation Systems Jobs in Ohio (2021-2031)

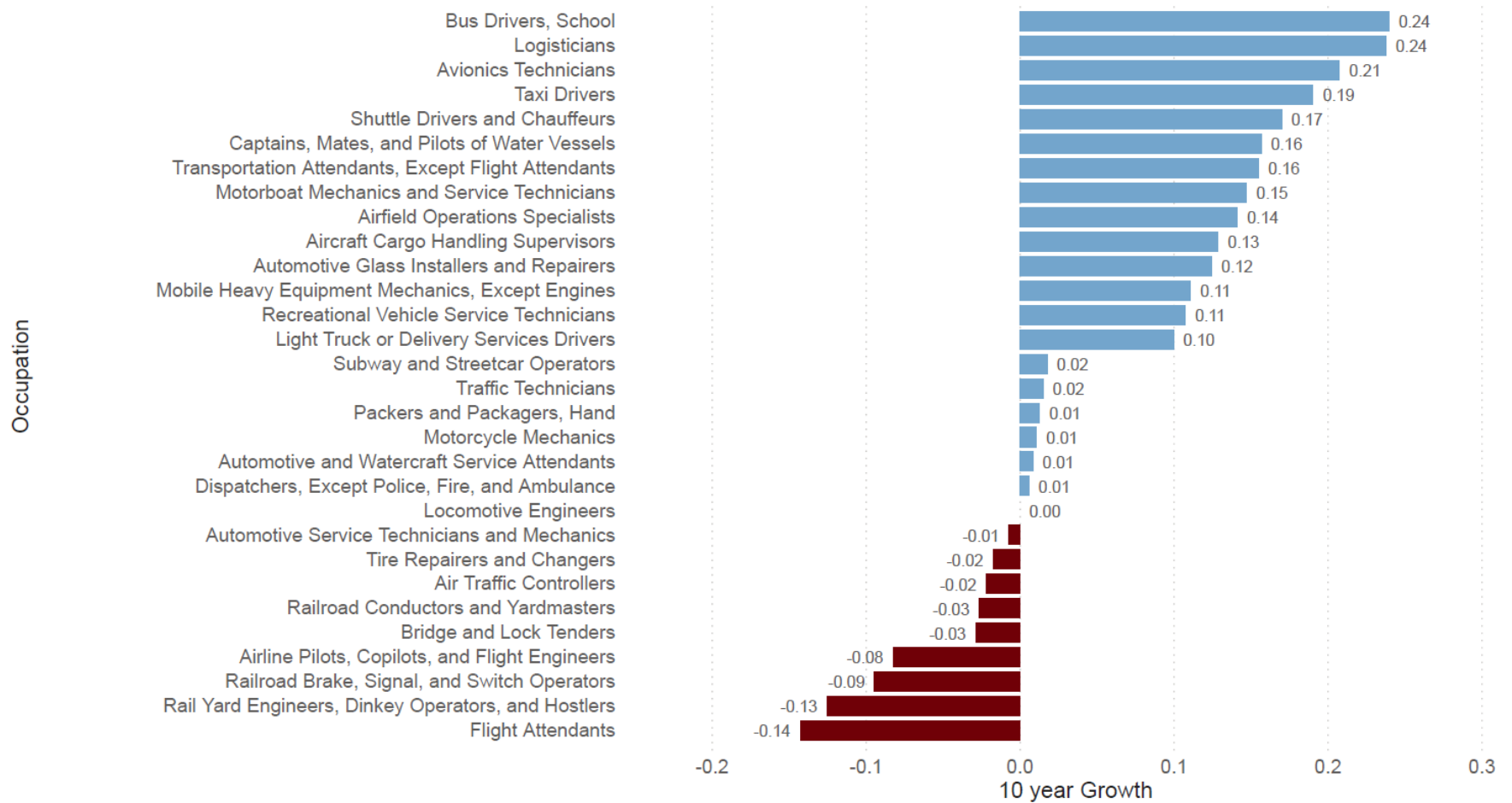


Figure 2 demonstrates the projected growth over the next ten years as a percentage. The blue represents positive growth, with the highest projected growth of 24% in School Drivers, Bus. The red represents negative growth or a decrease in the number of jobs, with the greatest expected decrease in Electronic Equipment Installers and Repairers, Motor Vehicles.



Figure 3.

Top Companies for Transportation Systems Jobs in Ohio

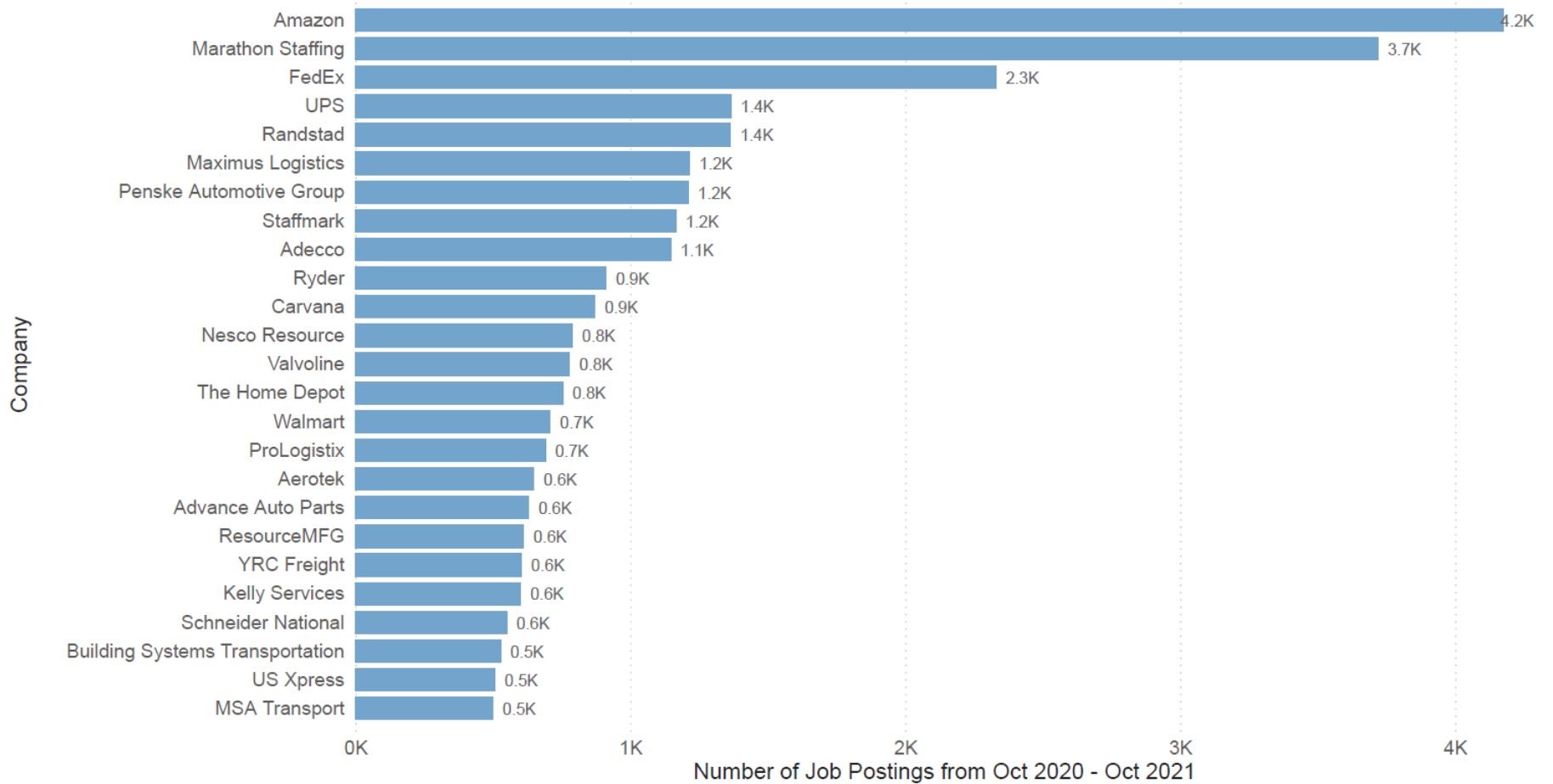


Figure 3 shows the top companies hiring in the Transportation Systems career field over a one-year period (October 2020-October 2021). There was a total of 149,017 transportation systems job postings during this time period, with the highest number from Amazon at 4,174.



Figure 4.

Demand and Supply Ratio of Transportation Systems Jobs in Ohio

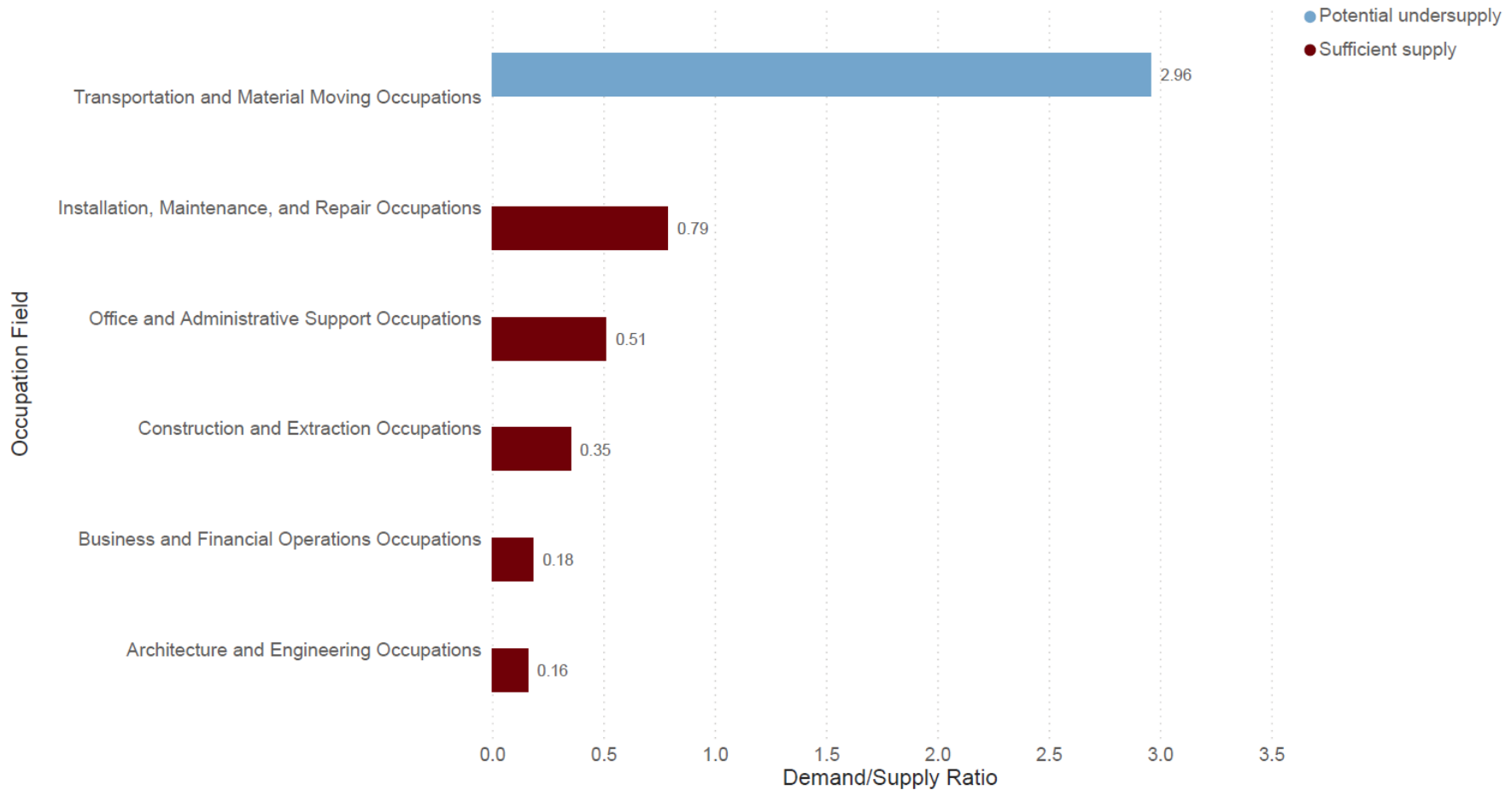


Figure 4 shows the demand and supply ratio for the career field. The ratio is calculated using the formula, job openings divided by the sum of graduates and those unemployed in the field [Ratio= Openings/(Graduates+Unemployed)]. A ratio of one or greater demonstrates a potential undersupply and less than one shows a sufficient supply. The Transportation and Material Moving Occupation Field is in potential undersupply.



Figure 5.

Demand for Hard Skills in Transportation Systems Jobs in Ohio

Growth -0.48 6.47

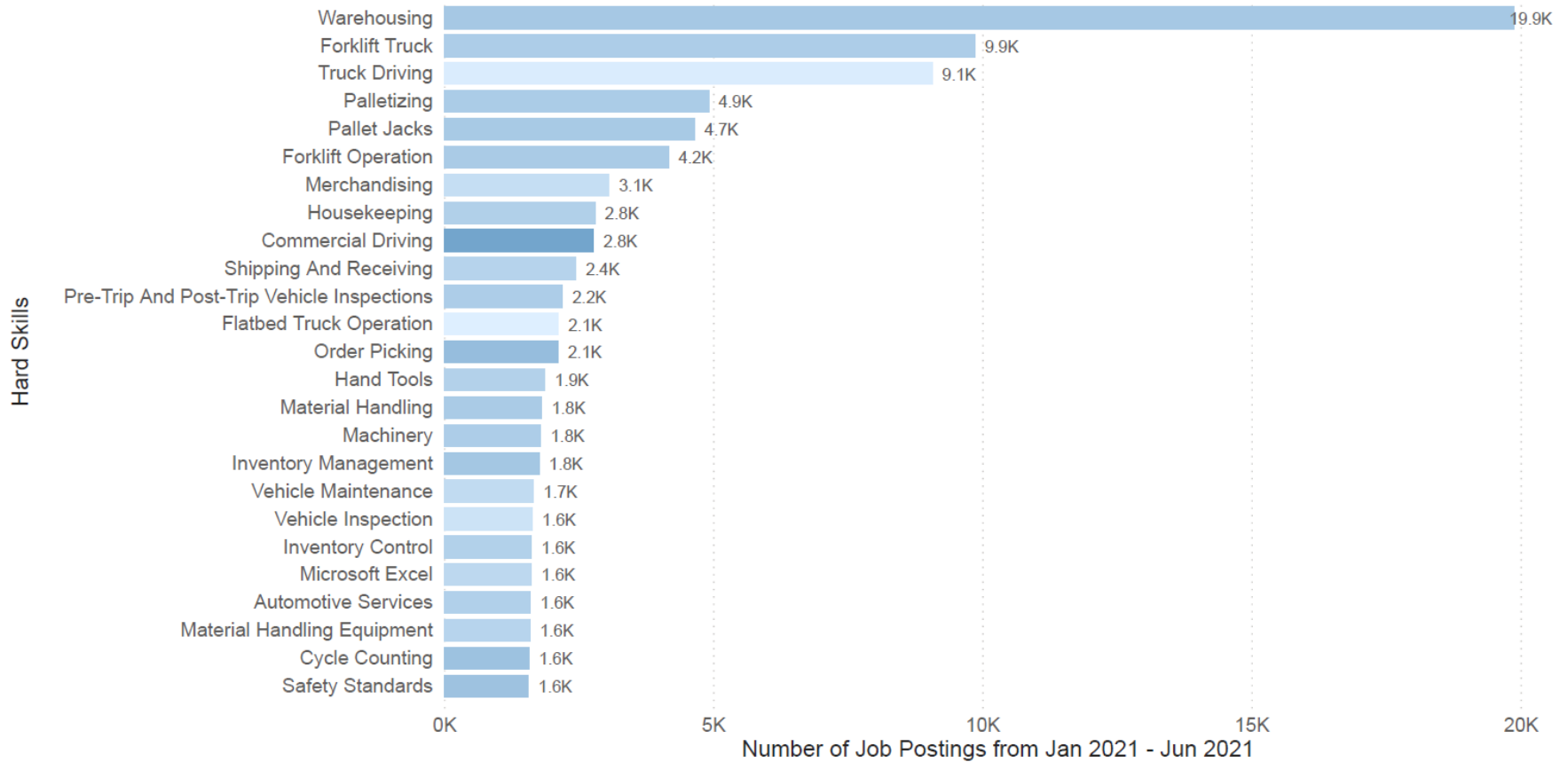


Figure 5 shows the top 25 in-demand hard skills employers are looking for in transportation systems jobs, with the top skill being warehousing. Additionally, the darker blue demonstrates skills that have seen a greater increase in demand from 2017 to 2021. The greatest increase in demand is in Commercial Driving and Order Picking at 647% and 419%, respectively.



Figure 6.

Demand for Soft Skills in Transportation Systems Jobs in Ohio

Growth 0.17 5.96

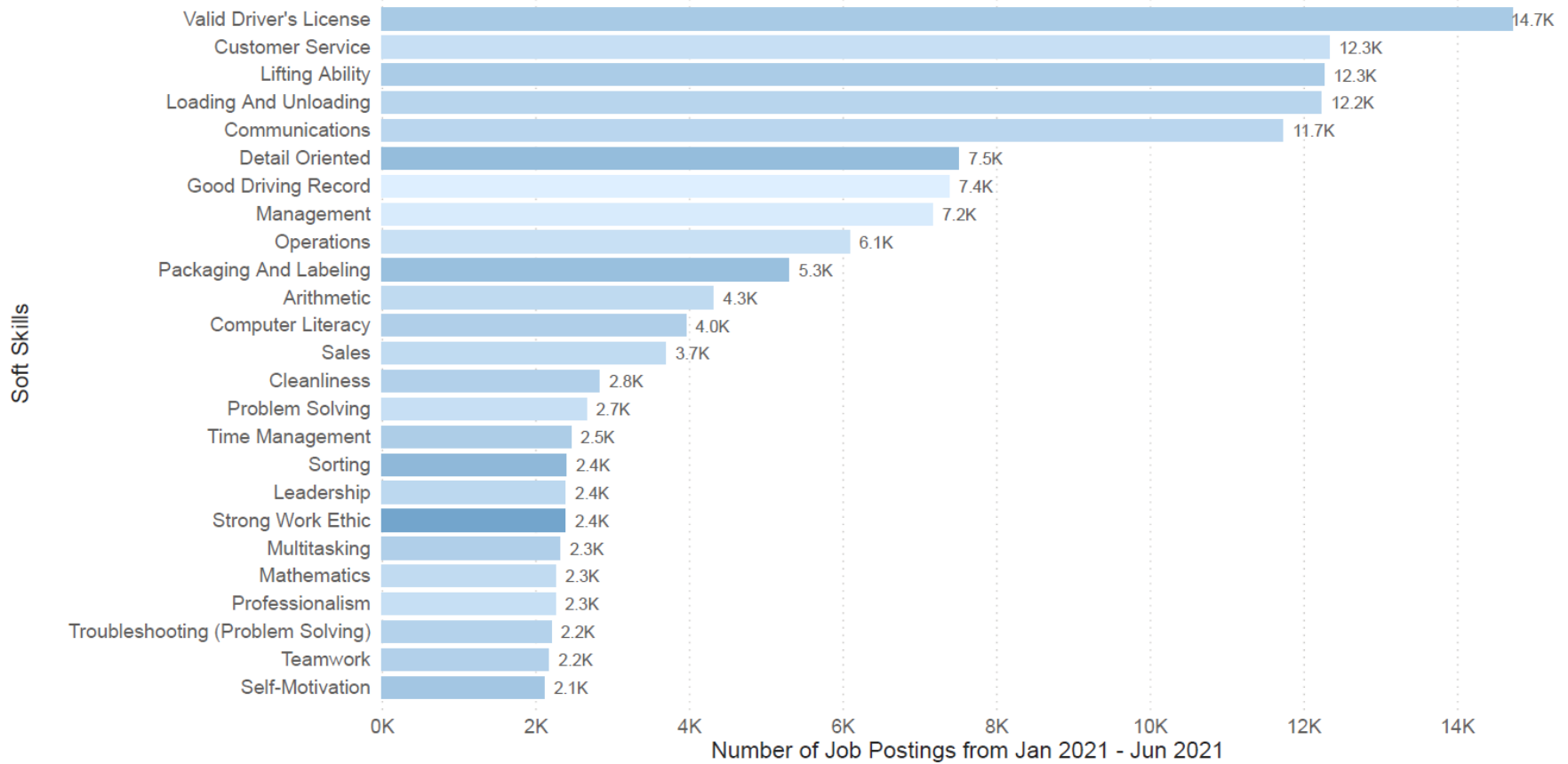


Figure 6 shows the top 25 in-demand soft skills employers are looking for in transportation systems jobs. The top skill is Valid Driver's License, which appeared in 14,728 postings between January 2021 and June 2021. Additionally, the darker blue demonstrates skills that have seen a greater increase in demand from 2017 to 2021. The greatest increase in demand is in Strong Work Ethic and Sorting at 596% and 447%, respectively.



Appendix.

Standard Occupational Classification (SOC)	Occupation
13-1081	Logisticians
17-2121	Marine Engineers and Naval Architects
43-5011	Cargo and Freight Agents
43-5021	Couriers and Messengers
43-5032	Dispatchers, Except Police, Fire, and Ambulance
47-4061	Rail-Track Laying and Maintenance Equipment Operators
49-2091	Avionics Technicians
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles
49-3011	Aircraft Mechanics and Service Technicians
49-3021	Automotive Body and Related Repairers
49-3022	Automotive Glass Installers and Repairers
49-3023	Automotive Service Technicians and Mechanics
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists
49-3042	Mobile Heavy Equipment Mechanics, Except Engines
49-3043	Rail Car Repairers
49-3051	Motorboat Mechanics and Service Technicians
49-3052	Motorcycle Mechanics
49-3091	Bicycle Repairers
49-3092	Recreational Vehicle Service Technicians
49-3093	Tire Repairers and Changers
49-9097	Signal and Track Switch Repairers
53-1041	Aircraft Cargo Handling Supervisors
53-1047	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators
53-2011	Airline Pilots, Copilots, and Flight Engineers
53-2012	Commercial Pilots
53-2021	Air Traffic Controllers
53-2022	Airfield Operations Specialists



53-2031	Flight Attendants
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians
53-3032	Heavy and Tractor-Trailer Truck Drivers
53-3033	Light Truck or Delivery Services Drivers
53-3051	Bus Drivers, School
53-3052	Bus Drivers, Transit and Intercity
53-3053	Shuttle Drivers and Chauffeurs
53-3054	Taxi Drivers
53-4011	Locomotive Engineers
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers
53-4022	Railroad Brake, Signal, and Switch Operators
53-4031	Railroad Conductors and Yardmasters
53-4041	Subway and Streetcar Operators
53-5011	Sailors and Marine Oilers
53-5021	Captains, Mates, and Pilots of Water Vessels
53-5031	Ship Engineers
53-6011	Bridge and Lock Tenders
53-6021	Parking Lot Attendants
53-6031	Automotive and Watercraft Service Attendants
53-6041	Traffic Technicians
53-6061	Transportation Attendants, Except Flight Attendants
53-7051	Industrial Truck and Tractor Operators
53-7061	Cleaners of Vehicles and Equipment
53-7062	Laborers and Freight, Stock, and Material Movers, Hand
53-7064	Packers and Packagers, Hand