Led Models for Date: January 23, 2020 **Summary of the Estimated Models for SimMobility Freight**

	ntification Const.		ln floor	· (m ²)	ln emp (ı	no)
ind,fnc	Coef.	SE	Coef.	SE	Coef.	SE
Chemical Manufacturing,Office	-2.234	0.188	0.396	0.039	-0.464	0.044
Chemical Manufacturing, Factory	-1.174	0.139	0.254	0.028	0.438	0.040
Chemical Manufacturing, Retail & Restaurant	-1.607	1.623	0.058	0.272	0.850	0.442
Chemical Manufacturing, Logistics Facility	-3.639	1.331	0.662	0.179	0.553	0.318
Chemical Manufacturing, Others	-1.424	0.613	0.050	0.120	0.172	0.169
Steel Manufacturing,Office	-4.353	0.445	0.682	0.089	-0.381	0.100
Steel Manufacturing, Factory	-1.505	0.270	0.365	0.051 26.425	0.160	0.07
Steel Manufacturing,Logistics Facility Steel Manufacturing,Others	-20.392 -16.192	155.064 13.966	2.857 4.031	3.317	13.093 -4.044	78.38′ 3.320
Metal manufacturing,Office	-2.345	0.213	0.201	0.043	0.028	0.05
Metal manufacturing, Gractory	-1.187	0.213	0.201		0.437	0.03
Metal manufacturing, Retail & Restaurant	2.409	1.411	-0.047	0.023	-1.257	0.600
Metal manufacturing, Logistics Facility	-2.407	1.999	1.133	0.451	-1.232	0.560
Metal manufacturing,Others	-5.881	1.454	0.718	0.247	0.514	0.24
Machinery Manufacturing,Office	-2.255	0.111	0.309	0.025	-0.220	0.02
Machinery Manufacturing, Factory	-1.210	0.085	0.201	0.018	0.300	0.02
Machinery Manufacturing, Retail & Restaurant	-1.032	0.945	-0.159	0.215	1.060	0.36
Machinery Manufacturing, Logistics Facility	-6.780	1.697	1.187	0.261	0.414	0.26
Machinery Manufacturing, Others	-2.498	0.497	0.134	0.098	0.268	0.13
Light Manufacturing,Office	-1.784		0.215	0.022	-0.178	0.02
Light Manufacturing, Factory	-1.242	0.080	0.264	0.017	0.272	0.02
Light Manufacturing,Retail & Restaurant	0.609	0.310	-0.353	0.063	0.606	0.06
Light Manufacturing, Logistics Facility	1.352	0.650	0.046	0.115	0.288	0.15
Light Manufacturing, Others	-0.805	0.367	-0.160	0.092	0.571	0.11
Rd. Freight Trans. Service, Office	-3.490	0.084 0.611	0.306	0.016	0.090	0.02
Rd. Freight Trans. Service,Retail & Restaurant Rd. Freight Trans. Service,Logistics Facility	-2.052 -1.290	0.011	0.028 0.295	0.129 0.020	0.824 0.282	0.15 0.03
Rd. Freight Trans. Service, Others	-2.438	0.110	0.293	0.020	0.282	0.05
Water/Air Freight Trans. Service and Trans. Related. Service,Office	-3.721	0.130	0.131	0.030	-0.165	0.05
Water/Air Freight Trans. Service and Trans. Related. Service,Retail & Restaurant	-5.955	1.089	0.265	0.203	0.842	0.40
Water/Air Freight Trans. Service and Trans. Related. Service, Logistics Facility	0.524	0.363	0.273	0.058	-0.309	0.09
Water/Air Freight Trans. Service and Trans. Related. Service, Others	-2.866	0.415	0.428	0.071	-0.061	0.09
Warehousing, Office	-4.579	0.371	0.425	0.050	0.212	0.06
Warehousing,Logistics Facility	-1.626	0.239	0.316	0.034	0.369	0.04
Warehousing, Others	-0.656	0.530	-0.002	0.080	0.498	0.12
Material Wholesale,Office	-2.259	0.110	0.509	0.024	-0.537	0.02
Material Wholesale, Factory	-0.420	0.432	0.310	0.074	0.346	0.12
Material Wholesale, Retail & Restaurant	-3.368	0.361	0.890	0.076	0.018	0.11
Material Wholesale, Logistics Facility	1.020	0.371	0.444	0.066	-0.560	0.10
Material Wholesale,Others	-1.411	0.525	0.118	0.094	0.612	0.15
Product Wholesale, Office	-2.121	0.050	0.364	0.011	-0.280	0.01
Product Wholesale, Factory	-0.439	0.222	0.200	0.043	0.188	0.04
Product Wholesale, Retail & Restaurant	0.009	0.110	-0.133	0.024	0.562	0.04
Product Wholesale, Logistics Facility	-0.091	0.293	0.407	0.057	0.227	0.08
Product Wholesale, Others Retail, Office	-2.687 0.459	0.269 1.449	0.295 -0.381	0.051 0.277	0.482 0.344	0.07 0.26
Retail, Retail & Restaurant	0.439	0.995	0.033	0.277	-0.048	0.20
Retail, Logistics Facility	14.236	338.228	-0.069	52.567	0.014	71.22
Restaurant/Service,Office	-2.945	0.108	0.199	0.023	-0.075	0.02
Restaurant/Service, Factory	-1.923	0.103	-0.020	0.023	0.661	0.02
Restaurant/Service, Retail & Restaurant	0.021	0.171	-0.270	0.038	0.227	0.05
Restaurant/Service, Logistics Facility	-1.363	0.283	0.206	0.044	0.222	0.03
Restaurant/Service,Others	-1.830	0.213	0.145	0.039	-0.017	0.05
p ²	0.244					
$rac{5}{0}^2$	0.243					
1	41,754					

Table Outbound commodity type selection model

(Chen	nical Ma						acturing)	0		
·									nufacturin	g	
non-factory		factory		non-factor	y	factory		non-factor	y	factory	
Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE
								0/			
-5.206	1.620							<i>O</i> -,		-0.066	0.613
-1.961	0.645	-2.351	0.270			-3.013	1.663			-1.412	0.599
0	-	0	-	0	-	0	- ///	0	-	0	-
-3.303	0.959	-3.044	0.481	-2.589	1.602	-6.226	1.910	-0.833	0.807	0.382	0.396
0.494	0.285	0.187	0.108			-6.025	2.238	-3.106	0.915	-3.346	0.504
-3.274	0.704	-2.112	0.326	0.398	0.825	2.569	0.558	0.573	0.458	2.862	0.237
-0.610	0.460	-0.973	0.147	-2.072	1.020	0.443	0.600	-1.020	0.545	1.113	0.249
-0.515	0.254	0.068	0.098			-3.953	1.685			-2.055	0.442
		-2.423	0.421		C. O	1.515	0.870			-1.003	0.971
0.338	0.543									-0.930	0.327
-0.162	0.262	-0.020	0.090		9.	0.397	0.565			-0.151	0.253
0	-	0	-	0	-	0	-	0	-	0	-
0.033	0.365	-0.228	0.175	0.700	0.642	1.313	0.437	-0.135	0.438	-0.516	0.181
-0.291	0.117	-0.045	0.036			1.163	0.530	0.979	0.379	0.792	0.160
0.265	0.246	-0.279	0.121	0.946	0.395	0.497	0.221	0.758	0.234	0.138	0.095
-0.402	0.200	0.009	0.048	1.078	0.434	0.529	0.232	0.822	0.262	0.349	0.099
			V								
0.285	0.094	0.175	0.032			0.723	0.498			0.452	0.157
		-0.377	0.162			-19.500	0.000			-0.983	0.537
-1557		-10917		-201		-2247		-645		-9555	
-1096		-7617		-91		-545		-379		-3826	
0.296		0.302		0.545		0.758		0.412		0.6	
0.287		0.301		0.475		0.751		0.39		0.598	
	Chemical M non-factory Coef. -5.206 -1.961 0 -3.303 0.494 -3.274 -0.610 -0.515 0.338 -0.162 0 0.033 -0.291 0.265 -0.402 0.285 -1557 -1096 0.296	Chemical Manufactu non-factory Coef. SE -5.206 1.620 -1.961 0.645 03.303 0.959 0.494 0.285 -3.274 0.704 -0.610 0.460 -0.515 0.254 0.338 0.543 -0.162 0.262 0 - 0.033 0.365 -0.291 0.117 0.265 0.246 -0.402 0.200 0.285 0.094	(Chemical Manufacturing, non-factory factory Coef. Chemical Manufacturing non-factory Coef. factory factory factory SE -5.206 1.620 -1.961 0.645 -2.351 0 - 0 -3.303 0.959 -3.044 0.494 0.285 0.187 -3.274 0.704 -2.112 -0.610 0.460 -0.973 -0.515 0.254 0.068 -2.423 0.338 0.543 -0.162 0.262 -0.020 0 - 0 0.033 0.365 -0.228 -0.291 0.117 -0.045 0.265 0.246 -0.279 -0.402 0.200 0.009 0.285 0.094 0.175 -0.377 -1096 -7617 0.296 0.302	(Chemical Manufacturing non-factory factory Coef. SE Coef. SE -5.206 1.620 -2.351 0.270 -1.961 0.645 -2.351 0.270 0 - 0 - -3.303 0.959 -3.044 0.481 0.494 0.285 0.187 0.108 -3.274 0.704 -2.112 0.326 -0.610 0.460 -0.973 0.147 -0.515 0.254 0.068 0.098 -2.423 0.421 0.338 0.543 -0.020 0.090 0 - 0 - 0.033 0.365 -0.228 0.175 -0.291 0.117 -0.045 0.036 0.265 0.246 -0.279 0.121 -0.402 0.200 0.009 0.048 0.285 0.094 0.175 0.032 -0.377 0.162 -1557 -10917	(Chemical Manufacturing Steel Manufacturing Chemical Manufacturing Steel Manufacturing Steel Manufacturing non-factory factory non-factor Coef. SE Coef. -5.206 1.620	(Chemical Manufacturing non-factory factory Coef. Steel Manufacturing non-factory factory SE Coef. Steel Manufacturing non-factory Coef. Steel Manufacturing non-factory Coef. Steel Manufacturing non-factory Coef. Steel Manufacturing non-factory Coef. -5.206 1.620 - - - SE Coef. SE -1.961 0.645 -2.351 0.270 0 -	Chemical Manufacturing non-factory Coef. SE Ected Manufacturing non-factory Coef. SE Coef. SE Coef. SE Coef. Coef. SE Coef. Coef. SE Coef. Coef.	Chemical Manufacturing Steel Manufacturing non-factory factory Coef. SE Coef. SE	Chemical Manufacturing Steel Manufacturing non-factory factory fac	Chemical Manufacturing	Chemical Manufacturing Steel Manufacturing Steel Manufacturing Chemical Manufacturing Factory SE Montacturing non-factory Factory Coef. SE Coef. SE

Table Outbound commodity type selection model

(Machinery Manufacturin	g, Light Mar	nufacturi	ing, Rd. Freig	ht Trans	. Service,	and Wate	er/Air Freigh	nt Trans	. Service a	nd Trans	. Related. S	ervice)
•	Machinery l		Ü		Light Man				Rd. Freigh Service	it Trans.	Water/Air I Trans. Serv Trans. Rela Service	ice and
	non-factory		factory	ar.	non-factor		factory	ar.		ar.	G 6	G.E.
<u> </u>	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE
Const.	6.054	1 /10	4.059	0.769	2.001	0.240	2.072	0.125	1 201	0.202	2 229	0.522
Agricultural products	-6.054	1.418	-4.958 2.057	0.768	-3.081	0.240	-2.972	0.125	-1.291	0.203	-2.228	0.523
Food products	-2.024	1.131	-2.957	0.689	-1.883	0.143	-1.693	0.072	-1.053	0.139	-1.889	0.386
Light manufacturing products	-6.053	1.154	0 -1.750	0.408	0 -0.728	0.115	-0.488	0.068	0 -0.343	0.153	0 0.563	0.306
Wood and paper products Minerals, ore, stone, cement,		0.747	-1.730 -0.694			0.113	-4.424	0.008			-0.796	0.581
Ceramics or glass	-2.745		-0.094	0.279	-4.542		-4.424	0.431	0.255	0.156	-0.790	
Metals or articles of metal	0.802	0.303	2.968	0.166	-3.049	0.291	-2.106	0.148	0.002	0.149	-0.173	0.384
Machinery, appliances, and mechanical parts	1.741	0.274	2.602	0.162	-4.121	0.346	-3.389	0.175	-0.368	0.133	0.330	0.306
Chemicals, rubber or plastics	-1.987	0.563	-1.134	0.257	-4.399	0.558	-3.478	0.209	0.219	0.141	-1.537	0.512
Mixed goods and parcel	-2.345	0.629	-2.380	0.519	-3.126	0.368	-2.698	0.307	-0.706	0.134	-1.340	0.497
ln emp (no.)) '						
Agricultural products	0.949	0.343	0.611	0.185	0.451	0.089	0.484	0.041	-0.050	0.065	0.282	0.154
Food products	-0.642	0.597	0.026	0.232	0.502	0.055	0.627	0.025	0.299	0.042	0.458	0.112
Light manufacturing products	0	-	0	7.7	0	-	0	-	0	-	0	-
Wood and paper products	1.065	0.264	0.006	0.139	0.244	0.048	0.157	0.026	-0.127	0.050	-0.152	0.100
Minerals, ore, stone, cement, Ceramics or glass	0.349	0.264	-0.022	0.096	0.041	0.302	-0.014	0.170	-0.471	0.056	-0.432	0.211
Metals or articles of metal	0.148	0.121	-0.252	0.057	0.222	0.117	-0.057	0.059	-0.260	0.050	-0.193	0.128
Machinery, appliances, and mechanical parts	0.417	0.110	0.209	0.055	0.563	0.121	0.347	0.059	0.092	0.041	-0.056	0.098
Chemicals, rubber or plastics	0.319	0.204	0.230	0.081	0.219	0.224	0.227	0.074	-0.277	0.048	0.049	0.161
Mixed goods and parcel	0.350	0.224	0.038	0.174	-0.024	0.163	-0.587	0.153	0.213	0.041	0.001	0.158
L0	-3788	7.	-18957		-5536		-20831		-13578		-2023	
LL	-1389		-7641		-3737		-14224		-12844		-1800	
ρ^2	0.633		0.597		0.325		0.317		0.054		0.11	
$\overline{\overline{ ho}}^2$	0.63		0.596		0.323		0.316		0.053		0.103	
n n	530		2634		568		2382		1338		340	

Table Outbound commodity type selection model (Warehousing, Material Wholesale, Product Wholesale, and Retail)

Table Outo	Warehousin		Material W			<i>_</i>	Product Wh			10	Retail	
		_	non-factory		factory		non-factory		factory			
	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE
Const.									47			
Agricultural products	-0.202	0.175	-4.430	0.818	-0.692	1.359	-0.478	0.069	-1.677	0.229	-1.561	1.387
Food products	-0.831	0.154	-2.608	0.626	-0.237	1.204	-0.997	0.067	-2.118	0.243	-0.296	1.043
Light manufacturing products	0	-	0	-	0	-	0	\-	0	-	0	-
Wood and paper products	-0.498	0.177	0.932	0.203	0.331	0.597	-2.152	0.134	-2.855	0.526	1.682	1.882
Minerals, ore, stone, cement,								$C \cup J$				
Ceramics or glass	-1.823	0.316	1.191	0.205	-1.516	0.407	-2.289	0.172	-3.789	0.778		
Metals or articles of metal	-0.989	0.216	0.759	0.195	1.502	0.339	0.313	0.085	-1.861	0.325		
Machinery, appliances, and							5					
mechanical parts	-1.104	0.178	-2.293	0.370	-6.681	0.999	0.095	0.057	-3.605	0.253	1.899	2.918
Chemicals, rubber or plastics	-0.633	0.185	0.147	0.199	-1.709	0.421	-2.500	0.121	-3.713	0.491	0.971	2.777
Mixed goods and parcel	-5.068	0.820	-4.948	0.356			-2.820	0.142				
ln emp (no.)							0,0					
Agricultural products	-0.311	0.069	0.659	0.330	-1.519	0.744	-0.084	0.026	0.891	0.103	0.256	0.336
Food products	0.253	0.052	0.063	0.293	-1.844	0.720	0.140	0.023	0.964	0.106	0.201	0.259
Light manufacturing products	0	-	0	-	0	(//):	0	-	0	-	0	-
Wood and paper products	-0.156	0.066	0.010	0.097	-0.727	0.265	-0.067	0.051	0.300	0.241	-1.062	0.638
Minerals, ore, stone, cement,												
Ceramics or glass	-0.222	0.124	-0.186	0.099	0.626	0.148	-0.227	0.070	0.348	0.349		
Metals or articles of metal	-0.180	0.082	0.294	0.091	-0.192	0.134	-0.694	0.039	0.376	0.149		
Machinery, appliances, and				X								
mechanical parts	0.160	0.060	0.512	0.159	1.410	0.267	-0.039	0.021	1.620	0.105	-1.541	1.159
Chemicals, rubber or plastics	-0.151	0.069	0.542	0.092	0.642	0.152	0.136	0.041	0.753	0.195	-1.152	0.996
Mixed goods and parcel	0.397	0.244	1.618	0.126			0.122	0.049				
LO	-4953		-9107		-1741		-31411		-3125		-125	
LL	-4290		-6978		-1185		-25753		-2237		-87	
ρ^2	0.134		0.234		0.319		0.18		0.284		0.304	
$\frac{1}{\overline{\rho}}^2$	0.131		0.232		0.311		0.18		0.28		0.192	
n	791	7	894		184		1398		151		52	

Table Outbound commodity type selection model (Restaurant/Service)

	Restaurant/	Service		
	non-factory		factory	
	Coef.	SE	Coef.	SE
Const.				
Agricultural products	-7.238	0.838	-6.195	0.938
Food products	-4.275	0.331	-4.494	0.519
Light manufacturing products	0	-	0	_
Wood and paper products	-2.201	0.182	-0.504	0.361
Minerals, ore, stone, cement, Ceramics or glass	-3.216	0.422	-2.515	0.433
Metals or articles of metal	-3.287	0.370	0.178	0.417
Machinery, appliances, and mechanical parts	-1.685	0.156	1.631	0.180
Chemicals, rubber or plastics	-5.417	0.416	-2.652	0.671
Mixed goods and parcel	-4.296	0.287	-3.952	0.861
ln emp (no.)				
Agricultural products	1.144	0.229	0.773	0.237
Food products	0.809	0.109	0.630	0.138
Light manufacturing products	0	_	0	_
Wood and paper products	0.564	0.069	-0.743	0.145
Minerals, ore, stone, cement, Ceramics or glass	0.081	0.180	0.027	0.135
Metals or articles of metal	0.277	0.147	-1.481	0.222
Machinery, appliances, and mechanical parts	0.548	0.061	-0.724	0.066
Chemicals, rubber or plastics	1.037	0.124	-0.325	0.235
Mixed goods and parcel	0.947	0.092	0.028	0.268
LO	-4090		-2902	
LL	-2897		-1665	
ρ^2	0.292		0.426	
$\bar{\rho}^2$	0.288		0.421	
n	447		324	

For the establishments with the combinations of industry, function, and produced commodity types listed below, the consumed commodity is the same with the produced commodity.

Table The combinations of industry, function, and produced commodity types which lead to the same commodity for production and consumption

Industry Type	Function Type	Produced Commodity Type
Chemical Manufacturing	non-factory	wood and paper products
	factory	metals or articles of metal
Steel Manufacturing	non-factory	light manufacturing
		wood and paper products
	factory	food products
Metal manufacturing	factory	food products
Machinery Manufacturing	non-factory	minerals, ore, stone, cement, ceramics or glass
		machinery, appliances, and mechanical parts
		wood and paper products
Light Manufacturing	non-factory	machinery, appliances, and mechanical parts
		minerals, ore, stone, cement, ceramics or glass
Water/Air Freight Trans. Service	non-factory	machinery, appliances, and mechanical parts
and Trans. Related. Service		minerals, ore, stone, cement, ceramics or glass
Warehousing	non-factory	wood and paper products
		machinery, appliances, and mechanical parts
		food products
		minerals, ore, stone, cement, ceramics or glass
Material Wholesale	non-factory	food products
		agricultural products
	factory	wood and paper products
		light manufacturing
		machinery, appliances, and mechanical parts
Product Wholesale	non-factory	machinery, appliances, and mechanical parts
	factory	metals or articles of metal
		minerals, ore, stone, cement, ceramics or glass
70	2	machinery, appliances, and mechanical parts
Restaurant/Service	non-factory	machinery, appliances, and mechanical parts
		agricultural products
		minerals, ore, stone, cement, ceramics or glass
	factory	wood and paper products
		agricultural products

Table Inbound commodity type selection model

(Chemical Manufacturing	. Steel Manufacturing.	and Metal Manufacturing)	

Chemical Naturial Products Chemical Manufacturing Products Chemical Naturial Products Chemical		C1 ' 13			Commod								
Part					eei Manuf				turing)		<u> </u>		
Const				•				•					
Part			,	,			2						
Agricultural products -0.998 -0.752 -0.527 -1.436 -2.632 -1.457 -1.456 -0.028 -0.		Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE
Food producties													
Light manufacturing products								-2.632	-1.457	O			
Wood and paper products			-0.193		0.028								-0.063
Minerals, ore, stone, cement, Ceramics or glass -2.361 -1.686 0.230 0.796 -89.520 -0.804 -1.517 -1.514 -7.433 -3.214 -5.449 -7.077 Metals or articles of metal 0.682 0.732 -0.467 -1.188 0.0 -1.374 1.413 0.181 0.248 2.690 7.079 Machinery, appliances, and mechanical parts 1.969 2.492 2.2012 4.562 0.638 0.444 -0.283 0.290 -2.959 2.802 0.295 2.802 0.122 0.296 Chemicals, rubber or plastics 0.052 0.052 0.032 1.321 2.678 2.599 2.803 2.431 -1.475 0.932 4.788 4.000 In emp (no.) 0.052 0.052 0.084 0.800 0.84 1.257 1.217 0.932 4.788 4.000 In emp (no.) 0.052 0.081 0.800 0.804 1.257 0.28 0.016 0.522 0.024 1.192 0.016 0.0852 0.		0	-		-				-		-		-
Metals or articles of metal 0.682 0.731 -0.467 -1.188 0 - 1.343 0.143 0.181 0.248 2.909 7.079 Machinery, appliances, and mechanical parts 1.969 2.912 2.012 4.562 0.638 0.444 -0.283 -0.209 -2.802 0.122 0.296 Chemicals, rubber or plastics 0.052 0.030 -1.321 -2.637 2.539 2.803 -2.431 -1.475 -0.932 -4.788 -4.000 In emp (mo.) 0.052 0.855 0.886 0.804 0.800 -8 5.45 1.257 1.267 -1.48 -0.00 -1.07 -0.858 -1.692 Food products 0.0100 -0.274 -0.214 -1.963 -8 -8 1.257 1.162 2.793 0.572 -0.858 -1.692 1.052 -0.004 -0.214 -1.963 -8 -8 1.257 1.162 2.793 0.572 2.698 -1.692 -1.016 0.0252 -0.014 -0.02													
Machinery, appliances, and mechanical parts 1,969 2,492 2,012 2,563 1,276 2,599 2,803 0,240 0,280 0,240 0,052 0,065 0,145 0,065 0,044 0,060							-0.804						
Chemicals, rubber or plastics 2.531 3.501 2.572 2.796 5.435 2.599 -2.803 -2.431 -1.475 -0.932 -0.858 -1.692 -0.858 -0													
Mixed goods and parcel 0.052 0.030 0.132 0.2637							0.444			-2.959	-2.862		
No. No.					12.796	5.435	2.599	-2.803	-2.431				
Agricultural products 0.351 0.856 0.084 0.800 0.845 1.257 4.010 0.552 600 products -0.100 -0.274 -0.214 -1.963 - 0 - 0 0 - 0.083 -1.692 - 0 - 0 - 0 - 0 - 0 - 0 0 - 0 - 0 0 - 0 - 0 0 - 0 0 - 0 0 - 0 0 - 0.08 0 1.090 1.752 1.162 2.793 0.572 2.698 Minerals, ore, stone, cement, Ceramics or glass 0.656 1.869 -0.019 -0.235 12.113 0.836 1.389 3.135 2.072 3.198 1.701 8.062 Metals or articles of metal 0.128 -0.552 -0.025 -0.028 0.041 0.318 -3.445 -2.342 1.453 3.138 0.07 0.675	Mixed goods and parcel	0.052	0.030	-1.321	-2.637		X / /	J'		-1.475	-0.932	-4.788	-4.000
Food products -0.100 -0.274 -0.214 -1.963 -1.964 -1.963 -1.963 -1.964 -1.963 -1.963 -1.964 -1.963 -1.963 -1.963 -1.963 -1.964 -1.963 -1.963 -1.963 -1.964 -1.963 -1.963 -1.964 -1.963 -1.963 -1.963 -1.963 -1.963 -1.964 -1.963 -1.963 -1.964 -1.963 -1.963 -1.963 -1.964 -1.963 -1.964 -1.963 -1.964 -1.963 -1.963 -1.964 -1.	ln emp (no.)												
Light manufacturing products 0							<i>c. O.</i> .	0.845	1.257				
Wood and paper products -0.004 -0.024 -0.024 -0.094 -0.024 -0.094 -0.094 -0.024 -0.094 -0.024 -0.094 -0.094 -0.025 11.109 1.752 1.162 2.793 0.572 2.698 Minerals, ore, stone, cement, Ceramics or glass 0.656 1.869 -0.019 -0.235 12.113 0.836 1.389 3.135 2.072 3.198 1.701 8.062 Metals or articles of metal 0.126 0.448 -0.001 -0.008 0 - 0.972 2.260 0.361 1.052 0.444 2.940 Machinery, appliances, and mechanical parts -0.133 -0.073 0.014 0.318 -3.445 -2.342 1.453 3.138 2.310 0.029 1.869 Chemicals, rubber or plastics -0.013 -0.037 0.014 0.318 -3.445 -2.342 1.453 3.138 2.310 0.070 1.869 Mixed goods and parcel -0.278 -0.384 0.0047 0.320 -0.320	Food products	-0.100	-0.274	-0.214	-1.963	. \\\						-0.858	-1.692
Minerals, ore, stone, cement, Ceramics or glass 0.656 1.869 -0.019 -0.235 12.113 0.836 1.389 3.135 2.072 3.198 1.701 8.062 Metals or articles of metal 0.126 0.448 -0.001 -0.008 0 - 0.972 2.260 0.361 1.052 0.444 2.940 Machinery, appliances, and mechanical parts -0.128 -0.552 -0.025 -0.281 -0.409 -1.033 0.775 1.749 0.894 2.310 0.299 1.869 Chemicals, rubber or plastics -0.013 -0.073 0.014 0.318 -3.445 -2.342 1.453 3.138	Light manufacturing products	0	-	0	-			0	-	0	-	0	-
Metals or articles of metal Machinery, appliances, and mechanical parts 0.126 0.448 0.052 0.025 0.025 0.028 0.049 0.075 0.075 0.075 0.075 0.089 0.894 0.301 0.299 0.899 0.899 0.899 0.899 0.899 0.899 0.899 0.899 0.869 0.899 0.	Wood and paper products			-0.004	-0.024			1.090	1.752	1.162	2.793	0.572	2.698
Machinery, appliances, and mechanical parts -0.128 -0.552 -0.025 -0.281 -0.409 -1.033 0.775 1.749 0.894 2.310 0.299 1.869 Chemicals, rubber or plastics -0.013 -0.073 0.014 0.318 -3.445 -2.342 1.453 3.138 0.053 0.070 1.180 3.771 Mixed goods and parcel -0.278 -0.384 0.047 0.320 -8 -8 0.053 0.070 1.180 3.471	Minerals, ore, stone, cement, Ceramics or glass	0.656	1.869	-0.019	-0.235	12.113	0.836	1.389	3.135	2.072	3.198	1.701	8.062
Chemicals, rubber or plastics -0.013 -0.073 0.014 0.318 -3.445 -2.342 1.453 3.138	Metals or articles of metal	0.126	0.448	-0.001	-0.008	0	-	0.972	2.260	0.361	1.052	0.444	2.940
Mixed goods and parcel -0.278 -0.384 0.047 0.320 0.320 0.053 0.070 1.180 3.471 comprod = comcons Agricultural products 0 - 0 - 0 - 0 - 4.083 6.906 Food products 4.177 5.957 3.775 15.300 5.689 6.716 0.000 - 3.752 13.656 Wood and paper products 4.357 7.020 3.247 20.503 5.689 6.716 0.000 - 3.752 13.656 Wood and paper products 4.669 10.977 - -3.687 -0.102 2.176 3.231 3.864 11.165 Metals or articles of metal 3.450 4.813 0 - 3.933 3.838 1.731 5.607 3.982 8.279 1.507 10.321 Machinery, appliances, and mechanical parts 0 - 4.895 14.032 0 - 6.623 -0.095 - 5.393	Machinery, appliances, and mechanical parts	-0.128	-0.552	-0.025	-0.281	-0.409	-1.033	0.775	1.749	0.894	2.310	0.299	1.869
comprod = comcons Agricultural products 0 - 0 - 0 - 4.083 6.906 Food products 4.177 5.957 3.775 15.300 - 5.689 6.716 0.000 - 3.752 13.656 Wood and paper products 4.669 10.977 -3.687 -0.102 2.176 3.231 3.864 11.601 Minerals, ore, stone, cement, Ceramics or glass 7.141 8.593 5.832 32.557 0 - 0 - 0.742 11.165 Metals or articles of metal 3.450 4.813 0 - 3.933 3.838 1.731 5.607 3.982 8.279 1.507 10.321 Machinery, appliances, and mechanical parts 0 - 4.895 14.032 0 - 2.903 7.617 3.371 5.469 2.849 14.068 Chemicals, rubber or plastics 3.757 8.215 1.374 12.112 0 - 2.623 -0.095	Chemicals, rubber or plastics	-0.013	-0.073	0.014	0.318	-3.445	-2.342	1.453	3.138			0.675	3.771
Agricultural products 0 - 0 - 0 - 0 - 4.083 6.906 Food products 4.177 5.957 3.775 15.300 - - - 4.313 4.938 Light manufacturing products 4.357 7.020 3.247 20.503 - 5.689 6.716 0.000 - 3.752 13.656 Wood and paper products - 4.669 10.977 - -3.687 -0.102 2.176 3.231 3.864 11.601 Minerals, ore, stone, cement, Ceramics or glass 7.141 8.593 5.832 32.557 0 - 0 - 6.742 11.165 Metals or articles of metal 3.450 4.813 0 - 3.933 3.838 1.731 5.607 3.982 8.279 1.507 10.321 Machinery, appliances, and mechanical parts 0 - 4.895 14.032 0 - 2.903 7.617 3.371 5.469 2.849	Mixed goods and parcel	-0.278	-0.384	0.047	0.320					0.053	0.070	1.180	3.471
Food products 4.177 5.957 3.775 15.300 Light manufacturing products 4.357 7.020 3.247 20.503 Wood and paper products Wood and paper products Minerals, ore, stone, cement, Ceramics or glass Metals or articles of metal 3.450 4.813 0 - 3.933 3.838 1.731 5.607 3.982 8.279 1.507 10.321 Machinery, appliances, and mechanical parts 0 - 4.895 14.032 0 - 2.903 7.617 3.371 5.469 2.849 14.068 Chemicals, rubber or plastics 3.757 8.215 1.374 12.112 0 - 6.623 -0.095 5.393 9.627 Mixed goods and parcel 0 - 4.797 12.088 LD LD LD LD LD LD LD LD LS	$com_{prod} = com_{cons}$												
Light manufacturing products 4.357 7.020 3.247 20.503 5.689 6.716 0.000 - 3.752 13.656 Wood and paper products 4.669 10.977 -3.687 -0.102 2.176 3.231 3.864 11.601 Minerals, ore, stone, cement, Ceramics or glass 7.141 8.593 5.832 32.557 0 - 0 - 0 - 6.742 11.165 Metals or articles of metal 3.450 4.813 0 - 3.933 3.838 1.731 5.607 3.982 8.279 1.507 10.321 Machinery, appliances, and mechanical parts 0 - 4.895 14.032 0 - 2.903 7.617 3.371 5.469 2.849 14.068 Chemicals, rubber or plastics 3.757 8.215 1.374 12.112 0 - -6.623 -0.095 - 5.393 9.627 Mixed goods and parcel 0 - 4.797 12.088 -173 -2156 -763 -10080 LL -358 -3278 -3278	Agricultural products	0	_ (0	-			0	-			4.083	6.906
Wood and paper products 4.669 10.977 -3.687 -0.102 2.176 3.231 3.864 11.601 Minerals, ore, stone, cement, Ceramics or glass 7.141 8.593 5.832 32.557 0 - 0 - 0 - 6.742 11.165 Metals or articles of metal 3.450 4.813 0 - 3.933 3.838 1.731 5.607 3.982 8.279 1.507 10.321 Machinery, appliances, and mechanical parts 0 - 4.895 14.032 0 - 2.903 7.617 3.371 5.469 2.849 14.068 Chemicals, rubber or plastics 3.757 8.215 1.374 12.112 0 - -6.623 -0.095 - 5.393 9.627 Mixed goods and parcel 0 - 4.797 12.088 -173 -2156 -763 -10080 LL -358 -3278 -3278 -23 -497 -169 -2045	Food products	4.177	5.957	3.775	15.300							4.313	4.938
Minerals, ore, stone, cement, Ceramics or glass 7.141 8.593 5.832 32.557 0 - 0 - 0 - 6.742 11.165 Metals or articles of metal 3.450 4.813 0 - 3.933 3.838 1.731 5.607 3.982 8.279 1.507 10.321 Machinery, appliances, and mechanical parts 0 - 4.895 14.032 0 - 2.903 7.617 3.371 5.469 2.849 14.068 Chemicals, rubber or plastics 3.757 8.215 1.374 12.112 0 - -6.623 -0.095 - 5.393 9.627 Mixed goods and parcel 0 - 4.797 12.088 -173 -2156 -763 -10080 LL -358 -3278 -3278 -23 -497 -169 -2045	Light manufacturing products	4.357	7.020	3.247	20.503			5.689	6.716	0.000	-	3.752	13.656
Metals or articles of metal 3.450 4.813 0 - 3.933 3.838 1.731 5.607 3.982 8.279 1.507 10.321 Machinery, appliances, and mechanical parts 0 - 4.895 14.032 0 - 2.903 7.617 3.371 5.469 2.849 14.068 Chemicals, rubber or plastics 3.757 8.215 1.374 12.112 0 - -6.623 -0.095 - 5.393 9.627 Mixed goods and parcel 0 - 4.797 12.088 - - - - - 0.000 - 0 - LO -1625 -11866 -173 -2156 -763 -10080 LL -358 -3278 -23 -497 -169 -2045				4.669	10.977			-3.687	-0.102	2.176	3.231	3.864	11.601
Machinery, appliances, and mechanical parts 0 - 4.895 14.032 0 - 2.903 7.617 3.371 5.469 2.849 14.068 Chemicals, rubber or plastics 3.757 8.215 1.374 12.112 0 - -6.623 -0.095 - 5.393 9.627 Mixed goods and parcel 0 - 4.797 12.088 - - -6.623 -0.095 - 0 0 - - - - -6.623 -0.095 - 0 0 - - - - - -6.623 -0.095 - 0 0 - - - - - -6.623 -0.095 - 0 0 - - - - - - -6.623 -0.095 - 0 0 - - 0 -	Minerals, ore, stone, cement, Ceramics or glass	7.141	8.593	5.832	32.557	0	-	0	-	0	_	6.742	11.165
Chemicals, rubber or plastics 3.757 8.215 1.374 12.112 0 6.623 -0.095 5.393 9.627 Mixed goods and parcel 0 - 4.797 12.088 0.000 - 0 0 - 0 - L0 -1625 -11866 -173 -2156 -763 -10080 LL -358 -3278 -23 -497 -169 -2045	Metals or articles of metal	3.450	4.813	0	-	3.933	3.838	1.731	5.607	3.982	8.279	1.507	10.321
Chemicals, rubber or plastics 3.757 8.215 1.374 12.112 0 6.623 -0.095 5.393 9.627 Mixed goods and parcel 0 - 4.797 12.088 0.000 - 0 0 - 0 - L0 -1625 -11866 -173 -2156 -763 -10080 LL -358 -3278 -23 -497 -169 -2045	Machinery, appliances, and mechanical parts	0	10.	4.895	14.032	0	_	2.903	7.617	3.371	5.469	2.849	14.068
Mixed goods and parcel 0 - 4.797 12.088 0.000 - 0 - L0 -1625 -11866 -173 -2156 -763 -10080 LL -358 -3278 -23 -497 -169 -2045		3.757	8.215		12.112	0	_		-0.095			5.393	9.627
L0 -1625 -11866 -173 -2156 -763 -10080 LL -358 -3278 -23 -497 -169 -2045			_		12.088					0.000	_		_
LL -358 -3278 -23 -497 -169 -2045		-1625		-11866		-173		-2156		-763		-10080	
0.700 0.724 0.007 0.707 0.770 0.771	ρ^2	0.780		0.724		0.869		0.769		0.778		0.797	
$\bar{\rho}^2$ 0.768 0.722 0.828 0.761 0.761 0.795	$\overline{0}^2$												
n 253 1725 41 375 111 1239													

Table Inbound commodity type selection model (Machinery Manufacturing, Light Manufacturing, Rd. Freight Trans. Service, and Water/Air Freight Trans. Service and Trans. Related. Service)

	Machine	y Manufac	turing		Light M	Ianufacturir	ng		Rd. Freight Trans.			Water/Air Freight	
									Service	in Trans.	Trans. Ser		
	non-facto		factory	C.F.	non-fac		factory	GE .		O.E.		ated. Service	
Const.	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	
Agricultural products	0.846	0.713	-0.159	-0.376	-1.185	-4.472	-1.108	-10.552	-0.221	-0.542	0.108	0.149	
Food products	1.270	1.189	-0.139	-4.311	-5.020	-10.480	-2.513	-16.533	0.271	0.797	-5.026	-2.892	
Light manufacturing products	0	1.169	-2.558 0	-4.311	-3.020	-10.480	-2.313 0	-10.555	0.271	0.797	-3.026	-2.892	
Wood and paper products	U	-	-0.205	-0.565	-2.060	-6.959	-0.234	-2.108	-1.878	-3.396	1.558	2.229	
Minerals, ore, stone, cement, Ceramics or glass	-0.643	-0.461	0.005	0.016	-2.000	-0.939	-3.906	-10.850	-0.938	-3.390	1.556	2.229	
Metals or articles of metal	2.574	5.138	3.339	16.864	2 570	1 612	-2.979	-10.830		-1.028	-2.408	-1.914	
					-3.579	-4.642			-1.115				
Machinery, appliances, and mechanical parts	2.765	4.809	1.732	7.596	-2.039	-3.975	-2.038	-9.139	-0.981	-2.503	-0.097	-0.122	
Chemicals, rubber or plastics	-0.021	-0.027	-0.018	-0.071	-3.352	-6.573	-1.751	-11.013	-2.268	-4.043	1.717	2.027	
Mixed goods and parcel	0.442	0.601	-0.812	-1.966	-3.986	-4.356	-6.956	-9.729	-3.109	-4.661	0.533	0.775	
In emp (no.)	-1.304	-1.979	-0.394	-2.609	-0.050	-0.481	0.334	10.774	-0.304	-2.432	-0.006	-0.030	
Agricultural products		-1.979					-0.003	-0.094	-0.304	-2.432		2.039	
Food products	-1.645	-2.405	0.159	1.067	0.495	4.901				-2.020	0.781	2.039	
Light manufacturing products	0	-	0 -0.248	-2.084	0 120	-1.757	0 207	0.771	0 122	-0.898	-0.650	2.002	
Wood and paper products	0.200	0.700			-0.130	-1./5/	-0.307	-8.771	-0.132		-0.650	-2.902	
Minerals, ore, stone, cement, Ceramics or glass	-0.390	-0.729	-0.187	-1.908	0.172	0.520	0.245	2.290	-0.623	-3.540	0.200	0.022	
Metals or articles of metal	-0.003	-0.020	-0.136	-2.345	-0.173	-0.539	0.111	1.337	0.105	0.814 -0.882	0.299	0.923	
Machinery, appliances, and mechanical parts	-0.085	-0.586	-0.049	-0.845	-0.638	-2.473	-0.131	-1.658	-0.090		-0.297	-1.350	
Chemicals, rubber or plastics	-0.023	-0.094	0.143	1.986	0.289	1.597	0.105	2.100	0.310	2.095	-1.008	-3.083	
Mixed goods and parcel	-0.358	-1.461	-0.106	-0.822	-0.330	-0.871	0.804	4.873	0.243	1.446	-0.166	-0.838	
$com_{prod} = com_{cons}$	0.477	0.015	6.051	6.720	5 1 40	0.065	4.010	10.675	4715	15 200	0		
Agricultural products	-0.477	-0.015	6.851	6.730	5.142	9.065	4.019	18.675	4.715	15.208	0	7.010	
Food products	-1.968	-0.120	6.202	10.755	5.376	13.488	3.866	29.839	4.406	19.764	8.230	7.019	
Light manufacturing products	4.462	11.132	3.850	22.997	2.278	12.631	2.043	31.647	3.675	19.334	3.259	9.515	
Wood and paper products	0		5.957	15.230	3.500	13.563	2.275	30.187	6.065	16.499	4.952	10.248	
Minerals, ore, stone, cement, Ceramics or glass	0	0.167	4.932	19.776	c 700	10.014	6.278	11.793	5.816	13.401	5 700	0.250	
Metals or articles of metal	3.281	8.167	1.951	16.735	6.700	12.214	6.515	24.079	5.715	15.363	5.799	8.258	
Machinery, appliances, and mechanical parts	1.782	5.285	1.816	13.523	6.884	8.886	0	16012	4.766	19.312	4.958	10.895	
Chemicals, rubber or plastics	0	7.512	4.615	18.721	5 172	0.207	4.896	16.213	6.068	17.074	0	-	
Mixed goods and parcel	5.604	7.513	6.007	9.264	5.173	8.207	9.356	12.186	7.096	18.377	1607		
LO	-3564		-19664		-5452		-21825		-12699		-1687		
LL 2	-946		-7301		-1540		-9749		-1743		-371		
ρ^2	0.735		0.629		0.717		0.553		0.863		0.780		
$ar{ ho}^2$	0.729		0.627		0.714		0.552		0.861		0.769		
n	528		2724		592		2497		1264		299		

Table Inbound commodity type selection model (Warehousing, Material Wholesale, Product Wholesale, and Retail)

Table Inbound commodity	7.1				ateriai wiic	nesale, Floc			Ketaii)	
	Wareho	using	Material Wh	iolesale	£4		Product Wh		A C4	
	Cf	CE	non-factory	CE	factory	CE	non-factory		factory	CE
	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE
Const.	0.075	0.700	0.221	0.274			1,406	5 002	2.162	c 100
Agricultural products	0.875	0.799	0.331	0.274			-1.426	-5.093	-2.163	-6.198
Food products	1.546	1.624	2.032	1.948			1.149	5.017	-4.082	-9.277
Light manufacturing products	0	-	0	-			0	-	0	-
Wood and paper products	1.504	1.364	2.890	5.161	2.478	1.645	-3.083	-6.357	-2.247	-4.346
Minerals, ore, stone, cement, Ceramics or glass			0.748	1.149	-0.948	-0.649	-2.748	-3.870	-3.750	-4.705
Metals or articles of metal	1.197	1.186	1.125	1.674	0	<u> </u>	-0.540	-1.367	-8.663	-13.473
Machinery, appliances, and mechanical parts	0.736	0.732	0.786	0.858	0.616	0.539	-0.378	-1.471	-1.137	-4.090
Chemicals, rubber or plastics	0.364	0.334	0.669	0.768	0.049	0.030	-0.220	-0.655	-1.691	-1.683
Mixed goods and parcel							0.712	2.350		
ln emp (no.)					1//)				
Agricultural products	-0.010	-0.031	-0.785	-1.430			0.343	4.573	0.710	4.863
Food products	0.229	0.864	-2.379	-3.468	C. O		-0.478	-5.494	0.822	5.708
Light manufacturing products	0	-	0	. 1			0	-	0	-
Wood and paper products	-0.099	-0.271	-0.848	-4.038	-1.945	-2.375	0.446	3.353	0.276	1.216
Minerals, ore, stone, cement, Ceramics or glass			-0.137	-0.598	0.005	0.014	-0.127	-0.510	0.602	1.917
Metals or articles of metal	0.248	0.867	-0.713	-3.638	0	-	-0.801	-5.305	2.652	14.983
Machinery, appliances, and mechanical parts	0.361	1.367	-0.729	-1.855	-0.547	-1.563	-0.030	-0.390	0.595	4.798
Chemicals, rubber or plastics	0.511	1.686	-1.231	-3.568	-0.510	-0.878	-0.237	-1.823	-0.868	-1.416
Mixed goods and parcel							-0.754	-5.627		
$com_{prod} = com_{cons}$										
Agricultural products	5.532	9.740	0	-			5.094	28.138	4.987	16.908
Food products	4.541	11.125	7.043	6.180			5.512	24.810	4.823	14.858
Light manufacturing products	7.521	9.740	5.856	12.211			4.316	30.164	0	-
Wood and paper products	0		4.529	13.497	0	-	6.458	18.961	3.191	7.069
Minerals, ore, stone, cement, Ceramics or glass	7	6.0	5.069	15.012	4.651	5.868	7.063	15.259	0	-
Metals or articles of metal	4.515	8.680	4.790	10.702	4.325	5.775	7.221	21.955	0	_
Machinery, appliances, and mechanical parts	3.942	8.844	6.108	9.208	2.728	2.474	5.203	32.824	0	_
Chemicals, rubber or plastics	0	_	9.412	12.307	0	_	0	_	0	_
Mixed goods and parcel	10,						6.150	15.439		
LO	-3355		-9045		-907		-32790		-3006	
LL	-381		-814		-97		-3267		-935	
$\frac{\overline{\rho^2}}{\rho^2}$	0.886		0.910		0.893		0.900		0.689	
$\frac{r}{\overline{\rho}^2}$	0.881		0.908		0.881		0.900		0.683	
n	621		946		123		1454		140	

Table Inbound commodity type selection model (Restaurant/Service)

Table inbound commodity type select	Restaurant/Serv			10
	non-factory		factory	1/2 .
	Coef.	SE	Coef.	SE
Const.				
Agricultural products	-2.530	-1.007	-16.725	-3.752
Food products	-0.589	-0.806	0.770	0.644
Light manufacturing products	0	-	0	-
Wood and paper products	-0.993	-1.249		
Minerals, ore, stone, cement, Ceramics or glass			1.636	1.697
Metals or articles of metal	1.311	2.676	3.844	4.243
Machinery, appliances, and mechanical parts	-0.087	-0.141	3.286	3.870
Chemicals, rubber or plastics	0.208	0.327	1.488	1.487
Mixed goods and parcel	-0.691	-1.282	2.196	1.923
In emp (no.))),		
Agricultural products	-0.373	-0.373	3.932	4.546
Food products	-0.366	-1.488	-0.384	-1.208
Light manufacturing products	0	-	0	-
Wood and paper products	-0.358	-1.398		
Minerals, ore, stone, cement, Ceramics or glass	110,		0.005	0.020
Metals or articles of metal	-0.412	-2.395	-1.167	-4.080
Machinery, appliances, and mechanical parts	-0.338	-1.649	-0.584	-2.794
Chemicals, rubber or plastics	-0.142	-0.651	0.048	0.193
Mixed goods and parcel	0.413	2.518	-0.571	-1.631
$com_{prod} = com_{cons}$				
Agricultural products	0	-	0	-
Food products	5.913	9.437	6.227	7.344
Light manufacturing products	4.898	15.981	6.341	10.587
Wood and paper products	7.812	11.513		
Minerals, ore, stone, cement, Ceramics or glass			0	-
Metals or articles of metal	0	-	3.747	4.965
Machinery, appliances, and mechanical parts	6.338	14.670	4.662	11.993
Chemicals, rubber or plastics	0	-	1.869	3.173
Mixed goods and parcel	0	-	0	-
LO	-3955		-2624	
LL	-501		-334	
ρ^2	0.873		0.873	
$\overline{\overline{\rho}}^2$	0.869		0.866	
n	449		315	

Table Production model (dependent variable: kg per day)

IV	fnc	ind	Coef.	SE
const	Office	Light Manufacturing	-275.47	4567.18
		Rd. Freight Trans. Service	-51.39	7376.75
		Product Wholesale	3268.62	1495.39
	Factory	Metal Manufacturing	153.23	12747.62
	·	Light Manufacturing	2675.66	1106.32
		Product Wholesale	653.29	2033.04
	Retail &			10
	Restaurant	Product Wholesale	-269.69	1460.99
	Logistics			X///
	Facility	Light Manufacturing	-10164.07	12917.72
	•	Rd. Freight Trans. Service	9295.56	2391.64
		Warehousing	16564.27	3193.85
		Product Wholesale	5986.71	1361.08
	Others	Product Wholesale	1043.92	2869.55
emp (no.)	Office	Light Manufacturing	225.19	127.04
cinp (not)	011100	Rd. Freight Trans. Service	1643.10	753.26
		Product Wholesale	5.78	47.11
	Factory	Metal Manufacturing	162.51	1855.79
	1 40001	Light Manufacturing	50.13	15.69
		Product Wholesale	268.84	116.29
	Retail &	Troduct Wholesure	200.01	110.27
	Restaurant	Product Wholesale	190.96	119.60
	Logistics	Troduct Wholesure	170.70	117.00
	Facility	Light Manufacturing	2500.80	1395.69
	1 defilty	Rd. Freight Trans. Service	90.17	29.18
		Warehousing	-458.89	338.65
	~//	Product Wholesale	103.75	40.92
	Others	Product Wholesale	123.12	63.39
floor-emp	Office	Light Manufacturing	0.06	0.12
noor emp	Office	Rd. Freight Trans. Service	-2.16	0.12
	- 0	Product Wholesale	-0.07	0.11
	Factory	Metal Manufacturing	-0.41	4.70
	Tuctory	Light Manufacturing	-0.01	0.00
		Product Wholesale	-0.03	0.03
(/)	Retail &	Troduct Wholesare	0.03	0.03
· 100.	Restaurant	Product Wholesale	0.01	0.14
	Logistics	Troduct Wholesare	0.01	0.14
	Facility	Light Manufacturing	-2.80	1.47
	1 actify	Rd. Freight Trans. Service	0.00	0.00
		Warehousing	0.04	0.04
		Product Wholesale	0.00	0.04
X	Others	Product Wholesale	-0.13	0.04
floor (m ²)	Office	Light Manufacturing	-4.08	7.43
noor (m)	Office	Rd. Freight Trans. Service	18.06	11.42
		Product Wholesale	4.34	2.38
	Factory	Metal Manufacturing	3.92	47.55
	ractory	Light Manufacturing	0.95	0.30
		2		
	Dotail 0-	Product Wholesale	0.76	0.79
	Retail &	Dec des et Wils als sals	0.06	1.61
	Restaurant	Product Wholesale	-0.06	1.61
	Logistics	Light Manufacturing	22.49	17.40
	Facility	Light Manufacturing	32.48	16.40
		Rd. Freight Trans. Service	-0.61	1.04

		Warehousing	-0.10	0.44
		Product Wholesale	0.47	0.72
	Others	Product Wholesale	6.58	2.20
\mathbb{R}^2			0.53	
R^2_{adj}			0.48	
n			452	

2 food products

IV	fnc	ind		SE
const	Office	Chemical Manufacturing	-13480.73	31452.59
		Light Manufacturing	960.52	1386.29
		Rd. Freight Trans. Service	11267.99	1496.48
		Water/Air Freight Trans. Service and Trans. Related. Service	-313.09	7544.38
		Product Wholesale	688.96	985.46
		Restaurant/Service	31.66	9252.07
	Factory	Chemical Manufacturing	525.76	2250.65
	-	Metal Manufacturing	250.64	14869.92
		Light Manufacturing	2524.46	353.59
		Product Wholesale	2738.05	2284.26
		Restaurant/Service	3080.60	4766.91
	Retail & Restaurant	Light Manufacturing	-92.03	2841.73
		Product Wholesale	683.09	1086.17
	Logistics Facility	Light Manufacturing	8468.90	2671.45
	8	Rd. Freight Trans. Service	11913.87	1702.80
		Water/Air Freight Trans. Service and Trans. Related. Service	-5741.03	6198.56
		Warehousing	13124.15	2029.64
		Product Wholesale	-2007.83	1045.22
		Restaurant/Service	9106.82	8185.93
	Others	Light Manufacturing	774.47	304273.02
	Others	Water/Air Freight Trans. Service and Trans. Related. Service	-589.66	5129.17
omp (no.)	Office	Chemical Manufacturing	2817.18	5511.39
emp (no.)	Office	Light Manufacturing	5.37	29.94
			-16.63	35.94
		Rd. Freight Trans. Service	18.51	
		Water/Air Freight Trans. Service and Trans. Related. Service Product Wholesale	204.10	118.89
				43.23
	To do a	Restaurant/Service	4.76	675.39
	Factory	Chemical Manufacturing	70.58	61.98
	Factory	Metal Manufacturing	-1.03	2613.50
	(0)	Light Manufacturing	34.57	4.19
		Product Wholesale	-1.10	143.71
		Restaurant/Service	-37.56	59.03
	Retail & Restaurant	Light Manufacturing	16.73	160.44
	X	Product Wholesale	-109.03	87.11
	Logistics Facility	Light Manufacturing	-32.80	53.15
		Rd. Freight Trans. Service	2.09	42.96
		Water/Air Freight Trans. Service and Trans. Related. Service	620.78	222.82
		Warehousing	90.28	67.80
		Product Wholesale	284.24	31.71
		Restaurant/Service	-50.73	151.67
	Others	Light Manufacturing	-85.85	31451.65
		Water/Air Freight Trans. Service and Trans. Related. Service	31.49	126.00
floor-emp	Office	Chemical Manufacturing	-7.78	17.65
		Light Manufacturing	0.00	0.00
		Rd. Freight Trans. Service	-0.01	0.02
			-0.05	

		Product Wholesale	-0.02	0.00
		Restaurant/Service	0.00	0.23
	Factory	Chemical Manufacturing	0.00	0.00
	•	Metal Manufacturing	-0.05	6.60
		Light Manufacturing	0.00	0.00
		Product Wholesale	-0.03	0.09
		Restaurant/Service	-0.03	0.03
	Retail & Restaurant	Light Manufacturing	0.00	0.13
		Product Wholesale	0.08	0.07
	Logistics Facility	Light Manufacturing	0.00	0.01
	,	Rd. Freight Trans. Service	0.00	0.01
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.16	0.05
		Warehousing	0.00	0.00
		Product Wholesale	-0.09	0.01
		Restaurant/Service	0.00	0.01
	Others	Light Manufacturing	0.23	88.57
		Water/Air Freight Trans. Service and Trans. Related. Service	0.00	0.01
floor(m ²)	Office	Chemical Manufacturing	55.04	130.52
` /		Light Manufacturing	0.06	0.67
		Rd. Freight Trans. Service	-0.16	0.53
		Water/Air Freight Trans. Service and Trans. Related. Service	4.58	6.55
		Product Wholesale	0.26	0.54
		Restaurant/Service	0.12	7.88
	Factory	Chemical Manufacturing	0.61	0.78
	·	Metal Manufacturing	0.33	91.27
		Light Manufacturing	0.02	0.02
		Product Wholesale	1.53	1.93
		Restaurant/Service	8.49	4.40
	Retail & Restaurant	Light Manufacturing	0.10	5.65
		Product Wholesale	4.13	3.61
	Logistics Facility	Light Manufacturing	2.50	0.85
		Rd. Freight Trans. Service	0.42	0.22
		Water/Air Freight Trans. Service and Trans. Related. Service	5.08	1.70
		Warehousing	-0.12	0.14
		Product Wholesale	5.08	0.79
		Restaurant/Service	0.07	0.57
	Others	Light Manufacturing	-0.59	483.69
		Water/Air Freight Trans. Service and Trans. Related. Service	0.44	6.46
\mathbb{R}^2			0.47	
R^2_{adj}		▼	0.43	
n	JAK.		1243	

3 household/light manufacturing

IV	fnc	ind	Coef.	SE
const	Office	Chemical Manufacturing	99.81	1478.78
		Machinery Manufacturing	-811.57	1690.61
		Light Manufacturing	105.32	584.19
		Rd. Freight Trans. Service	3053.39	1390.20
		Water/Air Freight Trans. Service and Trans. Related. Service	-555.23	7752.56
		Warehousing	1646.42	5654.09
		Material Wholesale	1188.42	1937.18
		Product Wholesale	834.08	268.27
		Retail	-32.13	6095.91
		Restaurant/Service	1657.43	1265.85
	Factory	Chemical Manufacturing	-0.16	391.74

		Steel Manufacturing	697.76	8306.09
		Metal Manufacturing	109.42	1979.16
		Machinery Manufacturing	1034.79	1072.59
		Light Manufacturing	647.48	257.33
		Material Wholesale	4428.04	3122.22
		Product Wholesale	-120.45	1112.26
		Restaurant/Service	-988.71	630.50
	Retail & Restaurant	Chemical Manufacturing	57.03	11274.37
		Light Manufacturing	369.33	2217.36
		Material Wholesale	1434.00	5819.67
		Product Wholesale	232.11	702.10
		Restaurant/Service	-59.63	1238.94
	Logistics Facility	Chemical Manufacturing	1381.66	3996.64
	•	Light Manufacturing	2464.23	1863.82
		Rd. Freight Trans. Service	7252.30	633.66
		Water/Air Freight Trans. Service and Trans. Related. Service	-602.03	2364.85
		Warehousing	5331.10	830.29
		Material Wholesale	-3385.24	4859.87
		Product Wholesale	720.78	470.13
		Restaurant/Service	3425.05	2239.47
	Others	Light Manufacturing	-124.21	5040.26
		Rd. Freight Trans. Service	8711.81	6779.15
		Water/Air Freight Trans. Service and Trans. Related. Service	-3709.60	6708.54
		Warehousing	-2787.75	8035.77
		Product Wholesale	225.52	4320.74
		Restaurant/Service	-448.63	4491.17
emp (no.)	Office	Chemical Manufacturing	43.53	79.18
1 \ /		Machinery Manufacturing	24.72	14.41
		Light Manufacturing	-24.52	37.91
		Rd. Freight Trans. Service	61.04	64.37
		Water/Air Freight Trans. Service and Trans. Related. Service	55.85	156.96
		Warehousing	-74.32	600.57
		Material Wholesale	-61.27	168.43
		Product Wholesale	-11.52	4.20
		Retail	5.24	66.32
		Restaurant/Service	7.17	37.99
	Factory	Chemical Manufacturing	59.67	8.66
	. (Steel Manufacturing	-44.48	737.40
		Metal Manufacturing	38.39	189.29
		Machinery Manufacturing	16.16	30.69
	106.	Light Manufacturing	69.73	12.08
		Material Wholesale	-79.89	251.94
	~U P	Product Wholesale	-44.19	137.51
		Restaurant/Service	113.41	13.77
	Retail & Restaurant	Chemical Manufacturing	1.92	660.29
		Light Manufacturing	26.45	352.14
		Material Wholesale	-42.05	772.63
		Product Wholesale	8.73	39.76
		Restaurant/Service	20.90	223.10
	Logistics Facility	Chemical Manufacturing	110.96	191.70
	-	Light Manufacturing	-58.40	112.38
		Rd. Freight Trans. Service	39.13	13.34
		Water/Air Freight Trans. Service and Trans. Related. Service	294.57	78.39
		Warehousing	127.38	24.86
		Material Wholesale	1480.48	758.99
		Product Wholesale	140.36	19.72

		Restaurant/Service	-66.44	84.96
	Others	Light Manufacturing	50.61	924.21
	Others	Rd. Freight Trans. Service	188.50	268.35
		Water/Air Freight Trans. Service and Trans. Related. Service	4671.04	2947.82
		Warehousing	130.44	290.94
		Product Wholesale	68.72	295.33
		Restaurant/Service	36.27	470.44
floor-emp	Office	Chemical Manufacturing	-0.01	0.02
r		Machinery Manufacturing	-0.01	0.00
		Light Manufacturing	0.00	0.01
		Rd. Freight Trans. Service	0.03	0.10
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.18	1.64
		Warehousing	0.04	0.19
		Material Wholesale	0.16	0.16
		Product Wholesale	0.00	0.00
		Retail	0.00	0.00
		Restaurant/Service	0.11	0.05
	Factory	Chemical Manufacturing	0.00	0.00
	·	Steel Manufacturing	0.07	0.92
		Metal Manufacturing	0.01	0.05
		Machinery Manufacturing	0.00	0.00
		Light Manufacturing	0.00	0.00
		Material Wholesale	-0.07	0.14
		Product Wholesale	-0.03	0.07
		Restaurant/Service	-0.02	0.00
	Retail & Restaurant	Chemical Manufacturing	-0.01	2.22
		Light Manufacturing	-0.09	1.06
		Material Wholesale	0.15	1.78
		Product Wholesale	0.00	0.00
		Restaurant/Service	0.12	0.60
	Logistics Facility	Chemical Manufacturing	-0.02	0.03
		Light Manufacturing	0.12	0.03
		Rd. Freight Trans. Service	0.00	0.00
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.02	0.01
		Warehousing	-0.01	0.00
		Material Wholesale	-0.42	0.25
		Product Wholesale	-0.01	0.00
		Restaurant/Service	0.00	0.01
	Others	Light Manufacturing	0.10	2.58
		Rd. Freight Trans. Service	-1.08	0.55
	INC	Water/Air Freight Trans. Service and Trans. Related. Service	-1.68	0.96
		Warehousing	-0.02	0.03
	×0, ,	Product Wholesale	-0.04	0.37
		Restaurant/Service	-0.04	0.13
floor(m ²)	Office	Chemical Manufacturing	0.61	0.92
		Machinery Manufacturing	3.13	1.81
		Light Manufacturing	2.12	0.95
		Rd. Freight Trans. Service	1.17	2.04
		Water/Air Freight Trans. Service and Trans. Related. Service	4.20	44.41
		Warehousing	0.99	3.21
		Material Wholesale	-0.52	2.76
		Product Wholesale	-0.11	0.07
		Retail Restaurant/Service	0.05	1.00
	Footomy	Restaurant/Service	-3.39	2.60
	Factory	Chemical Manufacturing	0.51	0.14
		Steel Manufacturing	-1.21	25.87

	Metal Manufacturing	-0.08	0.74
	Machinery Manufacturing	0.72	0.80
	Light Manufacturing	0.27	0.07
	Material Wholesale	19.79	3.55
	Product Wholesale	3.81	2.63
	Restaurant/Service	3.41	0.41
Retail & Restaurant	Chemical Manufacturing	-0.05	26.31
	Light Manufacturing	-0.04	6.32
	Material Wholesale	-1.87	19.64
	Product Wholesale	1.12	0.70
	Restaurant/Service	-0.54	2.96
Logistics Facility	Chemical Manufacturing	1.48	1.67
	Light Manufacturing	-0.12	0.94
	Rd. Freight Trans. Service	0.08	0.08
	Water/Air Freight Trans. Service and Trans. Related. Service	0.64	0.54
	Warehousing	0.27	0.09
	Material Wholesale	0.92	5.12
	Product Wholesale	1.46	0.19
	Restaurant/Service	0.59	0.96
Others	Light Manufacturing	-0.40	20.05
	Rd. Freight Trans. Service	2.74	6.93
	Water/Air Freight Trans. Service and Trans. Related. Service	-3.99	9.84
	Warehousing	1.25	5.05
	Product Wholesale	-0.41	11.02
	Restaurant/Service	3.20	5.87
\mathbb{R}^2	(U)	0.49	
R^2_{adj}	$\mathcal{N}_{\mathcal{N}_{\mathcal{N}_{\mathcal{N}}}}$	0.46	
n		2431	

4 wood and paper products

IV	fnc	ind	Coef.	SE
const	Office	Light Manufacturing	230.22	770.85
		Rd. Freight Trans. Service	7361.16	2087.13
		Water/Air Freight Trans. Service and Trans. Related. Service	1310.10	5103.48
		Material Wholesale	7193.48	1573.64
		Product Wholesale	611.26	1507.34
		Restaurant/Service	955.12	1150.98
	Factory	Chemical Manufacturing	-223.62	4644.12
		Metal Manufacturing	-458.67	5975.10
		Machinery Manufacturing	-981.02	4509.52
		Light Manufacturing	1576.24	361.59
		Material Wholesale	559.99	5697.04
		Product Wholesale	-295.97	10169.49
	X	Restaurant/Service	2170.16	6030.85
	Retail & Restaurant	Light Manufacturing	226.25	9426.62
		Material Wholesale	4700.06	2202.70
	Logistics Facility	Light Manufacturing	2626.10	2903.22
		Rd. Freight Trans. Service	5412.16	1546.24
		Water/Air Freight Trans. Service and Trans. Related. Service	-1180.85	2330.33
		Warehousing	1219.93	1522.70
		Material Wholesale	4995.07	1758.92
		Product Wholesale	2707.19	2368.33
		Restaurant/Service	6185.85	1974.82
	Others	Light Manufacturing	33.73	5562.25
		Water/Air Freight Trans. Service and Trans. Related. Service	-3472.20	16553.66

emp (no.)	Office	Light Manufacturing	55.96	35.71
		Rd. Freight Trans. Service	-46.90	77.16
		Water/Air Freight Trans. Service and Trans. Related. Service	67.24	224.65
		Material Wholesale	78.83	164.15
		Product Wholesale	9.25	120.32
	_	Restaurant/Service	-1.57	11.73
	Factory	Chemical Manufacturing	79.93	144.20
		Metal Manufacturing	164.17	861.76
		Machinery Manufacturing	189.33	375.88
		Light Manufacturing	80.67	11.37
		Material Wholesale	329.86	587.76
		Product Wholesale	91.30	825.83
		Restaurant/Service	-69.12	557.08
	Retail & Restaurant	Light Manufacturing	-6.44	722.85
		Material Wholesale	4.74	183.67
	Logistics Facility	Light Manufacturing	212.17	88.67
		Rd. Freight Trans. Service	95.80	54.36
		Water/Air Freight Trans. Service and Trans. Related. Service	207.96	75.32
		Warehousing	253.01	93.09
		Material Wholesale	436.01	150.01
		Product Wholesale	41.65	64.64
		Restaurant/Service	0.98	46.57
	Others	Light Manufacturing	-19.92	495.98
_		Water/Air Freight Trans. Service and Trans. Related. Service	257.67	382.22
floor-emp	Office	Light Manufacturing	-0.01	0.01
		Rd. Freight Trans. Service	0.44	0.24
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.01	0.36
		Material Wholesale	-0.03	0.06
		Product Wholesale	-0.01	0.10
	_	Restaurant/Service	0.00	0.00
	Factory	Chemical Manufacturing	0.05	0.08
		Metal Manufacturing	-0.11	0.88
		Machinery Manufacturing	-0.03	0.03
		Light Manufacturing	-0.01	0.00
		Material Wholesale	-0.11	0.10
		Product Wholesale	-0.02	0.57
	D : 11 0 D :	Restaurant/Service	-0.01	0.29
	Retail & Restaurant	Light Manufacturing	0.01	3.91
	T 1 1 T 11	Material Wholesale	-0.08	0.76
	Logistics Facility	Light Manufacturing	-0.03	0.01
		Rd. Freight Trans. Service	0.00	0.01
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.05	0.02
	V	Warehousing Material Wholesele	0.01	0.01
	X	Material Wholesale	-0.27	0.09
		Product Wholesale	-0.05	0.01
	Others	Restaurant/Service	0.00	0.01
	Others	Light Manufacturing Water/Air Freight Trope Service and Trope Related Service	-0.01 -0.02	0.10 0.07
floor(m²)	Office	Water/Air Freight Trans. Service and Trans. Related. Service Light Manufacturing	1.39	0.07
floor(m ²)	Office	Rd. Freight Trans. Service	-16.13	7.79
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.96	14.54
		Material Wholesale	0.16	0.54
		Product Wholesale	0.16	2.94
		Restaurant/Service	-0.15	1.28
	Factory	Chemical Manufacturing	-0.13 -1.21	4.91
	1 actory	Metal Manufacturing Metal Manufacturing	0.93	9.42
		iviciai ivianuiaciuiing	0.93	7.44

	Machinery Manufacturing	1.32	3.35
	Light Manufacturing	1.08	0.17
	Material Wholesale	2.08	1.88
	Product Wholesale	1.21	33.58
	Restaurant/Service	5.91	2.94
Retail & Restar	urant Light Manufacturing	-0.23	64.72
	Material Wholesale	3.05	6.24
Logistics Facili	ity Light Manufacturing	2.66	0.92
	Rd. Freight Trans. Service	0.65	0.40
	Water/Air Freight Trans. Service and Trans. Related. Service	3.75	1.12
	Warehousing	-0.05	0.17
	Material Wholesale	3.31	1.45
	Product Wholesale	7.15	2.07
	Restaurant/Service	-0.12	0.49
Others	Light Manufacturing	1.20	20.64
	Water/Air Freight Trans. Service and Trans. Related. Service	-0.18	5.15
\mathbb{R}^2		0.48	
R^2_{adj}		0.43	
n		1208	

5 minerals, ore, stone, cement, ceramics or glass

IV	fnc	ind	Coef.	SE
const	Office	Chemical Manufacturing	3621.09	4018.05
		Rd. Freight Trans. Service	12932.85	5586.89
		Material Wholesale	6962.20	2106.79
		Product Wholesale	-1701.80	3957.09
	Factory	Chemical Manufacturing	7654.75	974.91
		Metal Manufacturing	-2138.47	7709.24
		Machinery Manufacturing	1998.29	2127.12
		Material Wholesale	-7092.52	9205.75
		Restaurant/Service	-597.60	11336.91
	Retail & Restaurant	Material Wholesale	15174.82	3597.86
	Logistics Facility	Chemical Manufacturing	43186.90	21415.43
		Rd. Freight Trans. Service	14132.84	7132.14
	100	Warehousing	32965.21	25994.68
	1/10	Material Wholesale	11914.57	3186.63
	6/2	Product Wholesale	-16478.10	87347.56
emp (no.)	Office	Chemical Manufacturing	240.60	332.65
		Rd. Freight Trans. Service	-187.40	351.91
		Material Wholesale	-122.14	163.48
		Product Wholesale	327.47	285.87
	Factory	Chemical Manufacturing	30.82	23.61
X		Metal Manufacturing	486.59	328.15
		Machinery Manufacturing	-153.35	79.38
		Material Wholesale	826.53	536.62
		Restaurant/Service	20.09	723.08
	Retail & Restaurant	Material Wholesale	-819.80	468.36
	Logistics Facility	Chemical Manufacturing	-2727.70	2133.42
		Rd. Freight Trans. Service	-937.09	786.89
		Warehousing	-1186.83	1139.79
		Material Wholesale	-81.53	276.53
		Product Wholesale	2685.80	10739.03
floor-emp	Office	Chemical Manufacturing	-0.05	0.36
		Rd. Freight Trans. Service	-0.36	1.97
		Material Wholesale	0.05	0.26

		Product Wholesale	-0.29	0.58
	Factory	Chemical Manufacturing	0.00	0.00
		Metal Manufacturing	-0.05	0.06
		Machinery Manufacturing	0.00	0.00
		Material Wholesale	-0.33	0.34
		Restaurant/Service	-0.04	1.29
	Retail & Restaurant	Material Wholesale	1.21	1.56
	Logistics Facility	Chemical Manufacturing	0.83	2.37
		Rd. Freight Trans. Service	4.46	3.68
		Warehousing	1.17	1.04
		Material Wholesale	-0.14	0.48
		Product Wholesale	-5.55	28.62
floor(m ²)	Office	Chemical Manufacturing	0.38	4.40
		Rd. Freight Trans. Service	-0.73	29.61
		Material Wholesale	0.46	3.72
		Product Wholesale	2.66	11.44
	Factory	Chemical Manufacturing	0.18	0.15
		Metal Manufacturing	-0.49	3.53
		Machinery Manufacturing	1.67	0.63
		Material Wholesale	9.59	8.90
		Restaurant/Service	1.29	17.33
	Retail & Restaurant	Material Wholesale	-10.81	11.83
	Logistics Facility	Chemical Manufacturing	-14.95	25.97
		Rd. Freight Trans. Service	-42.78	39.86
		Warehousing	-54.31	47.75
		Material Wholesale	1.92	5.48
		Product Wholesale	41.33	245.81
\mathbb{R}^2			0.54	
R^2_{adj}		100	0.46	
n			436.00	

6 metals or articles of metal

Metal Manufacturing 522.67 1061.45 Machinery Manufacturing -156.60 1080.86 Light Manufacturing -2420.82 3181.65 Rd. Freight Trans. Service 10201.21 2305.93 Material Wholesale 2269.46 785.32 Product Wholesale -1455.55 625.00 Restaurant/Service 992.79 3573.33 Factory Chemical Manufacturing -1404.54 2009.22 Steel Manufacturing 4130.92 524.46 Metal Manufacturing 1563.07 248.45 Machinery Manufacturing 474.12 269.13 Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50	IV fnc	ind	Coef.	SE
Machinery Manufacturing -156.60 1080.86 Light Manufacturing -2420.82 3181.63 Rd. Freight Trans. Service 10201.21 2305.93 Material Wholesale 2269.46 785.32 Product Wholesale -1455.55 625.00 Restaurant/Service 992.79 3573.33 Factory Chemical Manufacturing -1404.54 2009.22 Steel Manufacturing 4130.92 524.46 Metal Manufacturing 1563.07 248.45 Machinery Manufacturing 474.12 269.13 Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50	const Office	Steel Manufacturing	3750.69	3253.84
Light Manufacturing -2420.82 3181.65 Rd. Freight Trans. Service 10201.21 2305.93 Material Wholesale 2269.46 785.32 Product Wholesale -1455.55 625.00 Restaurant/Service 992.79 3573.33 Factory Chemical Manufacturing -1404.54 2009.22 Steel Manufacturing 4130.92 524.46 Metal Manufacturing 1563.07 248.45 Machinery Manufacturing 474.12 269.13 Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50		Metal Manufacturing	522.67	1061.45
Rd. Freight Trans. Service 10201.21 2305.93 Material Wholesale 2269.46 785.32 Product Wholesale -1455.55 625.00 Restaurant/Service 992.79 3573.33 Factory Chemical Manufacturing -1404.54 2009.22 Steel Manufacturing 4130.92 524.46 Metal Manufacturing 1563.07 248.45 Machinery Manufacturing 474.12 269.13 Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50		Machinery Manufacturing	-156.60	1080.86
Material Wholesale 2269.46 785.32 Product Wholesale -1455.55 625.00 Restaurant/Service 992.79 3573.33 Factory Chemical Manufacturing -1404.54 2009.22 Steel Manufacturing 4130.92 524.46 Metal Manufacturing 1563.07 248.45 Machinery Manufacturing 474.12 269.13 Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50	()		-2420.82	3181.65
Product Wholesale -1455.55 625.00 Restaurant/Service 992.79 3573.33 Factory Chemical Manufacturing -1404.54 2009.22 Steel Manufacturing 4130.92 524.46 Metal Manufacturing 1563.07 248.45 Machinery Manufacturing 474.12 269.13 Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50		Rd. Freight Trans. Service	10201.21	2305.93
Restaurant/Service 992.79 3573.33 Factory Chemical Manufacturing -1404.54 2009.22 Steel Manufacturing 4130.92 524.46 Metal Manufacturing 1563.07 248.45 Machinery Manufacturing 474.12 269.13 Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50		Material Wholesale	2269.46	785.32
Factory Chemical Manufacturing -1404.54 2009.22 Steel Manufacturing 4130.92 524.46 Metal Manufacturing 1563.07 248.45 Machinery Manufacturing 474.12 269.13 Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50		Product Wholesale	-1455.55	625.00
Steel Manufacturing 4130.92 524.46 Metal Manufacturing 1563.07 248.45 Machinery Manufacturing 474.12 269.13 Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50		Restaurant/Service	992.79	3573.33
Metal Manufacturing 1563.07 248.45 Machinery Manufacturing 474.12 269.13 Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50	Factory	Chemical Manufacturing	-1404.54	2009.22
Machinery Manufacturing 474.12 269.13 Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50		Steel Manufacturing	4130.92	524.46
Light Manufacturing 911.17 1017.22 Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50		Metal Manufacturing	1563.07	248.45
Material Wholesale 4311.78 1123.48 Product Wholesale -350.72 3049.50	-100	Machinery Manufacturing	474.12	269.13
Product Wholesale -350.72 3049.50		Light Manufacturing	911.17	1017.22
		Material Wholesale	4311.78	1123.48
D/G : 2005.04 0001.01		Product Wholesale	-350.72	3049.50
Restaurant/Service 23/5.04 8331.35		Restaurant/Service	2375.04	8331.35
Retail & Restaurant Material Wholesale 5455.59 2213.77	Retail & Restaurant	Material Wholesale	5455.59	2213.77
Product Wholesale 7689.38 6663.87		Product Wholesale	7689.38	6663.87
Logistics Facility Steel Manufacturing 4835.55 5597.19	Logistics Facility	Steel Manufacturing	4835.55	5597.19
Metal Manufacturing -210.78 3539.03		Metal Manufacturing	-210.78	3539.03
Machinery Manufacturing 6904.77 9125.55		Machinery Manufacturing	6904.77	9125.55
Rd. Freight Trans. Service 10769.53 1332.58		Rd. Freight Trans. Service	10769.53	1332.58

Marcial Wholesale			Water/Air Freight Trans. Service and Trans. Related. Service	21788.77	5268.40
Product Wholesale 54821.0 2586.012 Watter/Air Freight Trans, Service 1311.15 8931.48 Watter/Air Freight Trans, Service and Trans, Related, Service 5739.78 9228.31 emp (no.) Office Sieel Manufacturing -102.50 95921.04 Metal Manufacturing -11.26 709.21 45.11 Metal Manufacturing 398.46 151.79 45.11 Metal Manufacturing 398.46 151.80 158.83 Material Wholesale 42.03 31.16 160.72 Product Wholesale 82.15 60.72 60.72 Restaurant/Service -94.87 202.54 Get Manufacturing 61.55 160.72 Metal Manufacturing 64.55 160.72 Machinery Munufacturing 64.55 160.72 Material Wholesale 235.66 101.75 Restaurant Material Wholesale 236.63 191.72 Restaurant/Service 443.43 684.684 Material Wholesale 245.43 366.64 Produc			Warehousing	12024.46	2427.35
Others					
emp (no.) Water/Air Freight Trans. Service and Trans. Related. Service 573,97.8 592,28.3 emp (no.) Office Steel Manufacturing 9.81 170,92 Metal Manufacturing 52.44 45.11 69.51 Metal Manufacturing 398.46 151.99 Light Manufacturing 398.46 151.99 Red. Freight Trans. Service 42.03 31.61 Product Wholesale 42.03 31.61 Product Wholesale 94.87 202.54 Factory Chemical Manufacturing 416.85 166.51 Metal Manufacturing 418.7 875. Metal Manufacturing 418.7 875. Material Wholesale 25.91 180.04 Material Wholesale 25.91 197.27 Restaurant/Service 443.43 884.88 Retail & Restaurant Material Wholesale 45.21 300.08 Logistics Facility Material Wholesale 45.21 309.09 Retail & Manufacturing 45.74 435.24 Material Wholesale					
Material Wholesale 1627.60 5921.04		Others			
emp (no.) Office Steel Manufacturing Manufacturing 9.81 170.92					
Metal Manufacturing 5.14 4.51					
Machinery Manufacturing	emp (no.)	Office			
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Factory					
Steel Manufacturing 73.01 9.51 Machinery Manufacturing 41.87 8.75 Light Manufacturing 41.87 8.75 Light Manufacturing 66.51 80.04 Material Wholesale 259.13 197.27 Restaurant/Service 4434.43 6846.84 Retail & Restaurant 41.87 782.00 486.84 Retail & Restaurant 44.87 782.00 486.84 Retail & Restaurant 44.87 782.00 488.60 Material Wholesale 782.00 488.60 Material Wholesale 782.00 488.60 Material Wholesale 782.00 488.60 Machinery Manufacturing 361.02 937.06 R.d. Freight Trans. Service and Trans. Related. Service 73.15 41.53 Warehousing 309.69 150.26 Material Wholesale 759.39 249.71 Others R.d. Freight Trans. Service and Trans. Related. Service 4375.04 Water/Air Freight Trans. Service and Trans. Related. Service 749.19 Product Wholesale 759.39 249.71 Others R.d. Freight Trans. Service and Trans. Related. Service 387.36 283.50 Water/Air Freight Trans. Service and Trans. Related. Service 379.19 389.98 Water/Air Freight Trans. Service and Trans. Related. Service 379.10 379.10 Material Wholesale 759.30 249.71 Floor-emp Office Steel Manufacturing 0.00 0.00 Machinery Manufacturing 0.01 0.01 Light Manufacturing 0.01 0.01 Light Manufacturing 0.01 0.01 Light Manufacturing 0.00 0.00 Machinery Manufacturing 0.00 0.00 Material Wholesale 0.00 0.00 Material Wholesale 0.00 0.00 Material Manufacturing 0.00 0.00 Machinery Manufacturing 0.00 0.00 Material Wholesale		Factory			
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Machinery Manufacturing					
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Machinery Manufacturing Rd. Freight Trans. Service and Trans. Related. Service Rd. Freight Trans. Fr		2081301031 4011107			
Rd. Freight Trans. Service 7-73.15 41.53					
Water/Air Freight Trans. Service and Trans. Related. Service -711.73 232.26 Warehousing 309.69 150.26 Material Wholesale 142.12 97.19 Product Wholesale -759.39 249.71 Others Rd. Freight Trans. Service 4375.04 895.98 Water/Air Freight Trans. Service and Trans. Related. Service -837.36 1283.50 Material Wholesale -1128.30 927.74 Floor-emp Office Steel Manufacturing -0.01 0.00 Metal Manufacturing -0.01 0.00 Machinery Manufacturing -0.01 0.01 Light Manufacturing -0.01 0.01 Light Manufacturing -0.01 0.05 Material Wholesale -0.05 0.03 Product Wholesale -0.05 0.03 Product Wholesale -0.06 0.00 Restaurant/Service 0.58 0.54 Chemical Manufacturing 0.00 0.00 Metal Manufacturing 0.00 0.00 Steel Manufacturing 0.00 0.00 Metal Manufacturing 0.00 0.00 Metal Manufacturing 0.00 0.00 Metal Manufacturing 0.00 0.00 Machinery Manufacturing 0.00 0.00 Metal Manufacturing 0.00 0.00 Material Wholesale -0.01 0.01 Product Wholesale -0.01 0.01 Product Wholesale 0.03 0.13 Restaurant/Service 6.88 15.12 Product Wholesale 0.91 0.42 Product Wholesale 0.94 0.48 Product Wholesale 0.94 0.94 P					
Material Wholesale					
Material Wholesale 759.39 249.71 Product Wholesale 759.39 249.71 Product Wholesale 759.39 249.71 Rd. Freight Trans. Service 4375.04 895.98 Water/Air Freight Trans. Service and Trans. Related. Service -837.36 1283.50 Material Wholesale -1128.30 927.74 Floor-emp Office Steel Manufacturing 0.00 0.03 Metal Manufacturing -0.01 0.00 Machinery Manufacturing 0.01 0.01 Light Manufacturing 0.04 0.14 Rd. Freight Trans. Service -0.12 0.05 Material Wholesale -0.05 0.03 Product Wholesale -0.05 0.03 Product Wholesale -0.04 0.01 Restaurant/Service 0.58 0.54 Pactory Chemical Manufacturing 0.00 0.00 Metal Manufacturing 0.00 0.00 Machinery Manufacturing 0.00 0.00 Machinery Manufacturing 0.00 0.00 Machinery Manufacturing 0.00 0.00 Material Wholesale 0.01 0.01 Product Wholesale 0.03 0.13 Restaurant/Service 6.88 15.12 Retail & Restaurant Material Wholesale 0.04 0.04 Product Wholesale 0.04 0.05 Product Wholesale 0.05 Product Wholesale 0.06 0.06 Product Wholesale 0.07 0.06 Product Wholesale 0.07 0.06 Product Wholesale 0.07 0.07 Product Wholes					
Others				142.12	
Material Wholesale 1128.30 927.74			Product Wholesale	-759.39	249.71
Material Wholesale -1128.30 927.74 Floor-emp Office Steel Manufacturing 0.00 0.03 Metal Manufacturing 0.01 0.00 Machinery Manufacturing 0.01 0.01 Light Manufacturing 0.04 0.14 Rd. Freight Trans. Service -0.12 0.05 Material Wholesale -0.05 0.03 Product Wholesale -0.04 0.01 Restaurant/Service 0.58 0.54 Factory Chemical Manufacturing 0.00 0.00 Metal Manufacturing 0.00 0.00 Metal Manufacturing 0.00 0.00 Metal Manufacturing 0.00 0.00 Machinery Manufacturing 0.00 0.00 Machinery Manufacturing 0.00 0.00 Material Wholesale 0.01 0.01 Material Wholesale 0.03 0.13 Restaurant/Service 6.88 15.12 Retail & Restaurant Material Wholesale 0.91 0.42 Product Wholesale 0.04 0.91 Retail & Restaurant Material Wholesale 0.91 0.42 Product Wholesale 0.04 0.91 Product Wholesale 0.04 0.91 Product Wholesale 0.04 0.05 Product Wholesale 0.05 0.05		Others	Rd. Freight Trans. Service	4375.04	895.98
Product Wholesale Prod			Water/Air Freight Trans. Service and Trans. Related. Service	-837.36	1283.50
Metal Manufacturing -0.01 0.00 Machinery Manufacturing 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.03 0.05 0.05 0.03 0.05 0.05 0.05 0.03 0.05			Material Wholesale	-1128.30	927.74
Machinery Manufacturing 0.01 0.01 Light Manufacturing 0.04 0.14 Rd. Freight Trans. Service -0.12 0.05 Material Wholesale -0.05 0.03 Product Wholesale -0.04 0.01 Restaurant/Service 0.58 0.54 Factory Chemical Manufacturing -0.02 0.01 Steel Manufacturing 0.00 0.00 Metal Manufacturing 0.00 0.00 Machinery Manufacturing 0.00 0.00 Machinery Manufacturing -0.01 0.01 Material Wholesale -0.01 0.01 Product Wholesale -0.01 0.01 Product Wholesale 0.03 0.13 Restaurant/Service 6.88 15.12 Retail & Restaurant Material Wholesale 0.91 0.42 Product Wholesale -0.48 1.56 Logistics Facility Steel Manufacturing 0.19 0.21	floor-emp	Office	Steel Manufacturing		
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Product Wholesale Restaurant/Service 0.03 0.13 Retail & Restaurant Restaurant/Service 6.88 15.12 Retail & Restaurant Material Wholesale Product Wholesale 0.91 0.42 Logistics Facility Steel Manufacturing 0.19 0.21					
Retail & Restaurant Restaurant/Service 6.88 15.12 Retail & Restaurant Material Wholesale 0.91 0.42 Product Wholesale -0.48 1.56 Logistics Facility Steel Manufacturing 0.19 0.21					
Retail & RestaurantMaterial Wholesale0.910.42Product Wholesale-0.481.56Logistics FacilitySteel Manufacturing0.190.21					
Product Wholesale -0.48 1.56 Logistics Facility Steel Manufacturing 0.19 0.21		Retail & Restaurant			
Logistics Facility Steel Manufacturing 0.19 0.21		Je Liebmarant			
		Logistics Facility			
<u> </u>		į,	Metal Manufacturing		0.09

		Machinery Manufacturing	0.19	0.53
		Rd. Freight Trans. Service	0.07	0.06
		Water/Air Freight Trans. Service and Trans. Related. Service	0.03	0.03
		Warehousing	-0.01	0.01
		Material Wholesale	-0.04	0.01
		Product Wholesale	0.32	0.09
	Others	Rd. Freight Trans. Service	5.14	3.59
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.31	0.55
		Material Wholesale	-0.71	0.78
floor(m ²)	Office	Steel Manufacturing	-0.14	1.27
		Metal Manufacturing	2.53	1.68
		Machinery Manufacturing	0.94	0.88
		Light Manufacturing	-1.56	7.02
		Rd. Freight Trans. Service	2.92	1.33
		Material Wholesale	2.91	1.08
		Product Wholesale	5.92	2.10
		Restaurant/Service	-4.53	10.69
	Factory	Chemical Manufacturing	6.95	1.38
		Steel Manufacturing	0.23	0.12
		Metal Manufacturing	0.23	0.06
		Machinery Manufacturing	0.48	0.11
		Light Manufacturing	0.89	0.58
		Material Wholesale	2.04	0.69
		Product Wholesale	-2.47	4.11
		Restaurant/Service	24.16	25.30
	Retail & Restaurant	Material Wholesale	-7.41	4.76
		Product Wholesale	-10.89	12.63
	Logistics Facility	Steel Manufacturing	-1.93	3.62
		Metal Manufacturing	7.15	4.32
		Machinery Manufacturing	-1.96	4.99
		Rd. Freight Trans. Service	-0.04	0.85
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.98	0.96
		Warehousing	0.40	0.29
		Material Wholesale	3.38	0.55
		Product Wholesale	2.50	1.60
	Others	Rd. Freight Trans. Service	-135.28	56.76
		Water/Air Freight Trans. Service and Trans. Related. Service	14.07	16.01
		Material Wholesale	51.17	25.20
\mathbb{R}^2			0.49	
R^2_{adj}			0.46	
n			2507	

7 machinery, appliances, and mechanical parts

IV	fnc	ind	Coef.	SE
const	Office	Chemical Manufacturing	963.36	5332.78
		Steel Manufacturing	2885.48	4195.94
		Metal Manufacturing	973.72	2699.72
		Machinery Manufacturing	491.54	321.50
		Light Manufacturing	-154.82	2838.43
		Rd. Freight Trans. Service	5210.88	1032.04
		Water/Air Freight Trans. Service and Trans. Related. Service	-20277.85	10053.58
		Material Wholesale	527.33	3577.57
		Product Wholesale	430.28	205.54
		Restaurant/Service	615.01	783.49
	Factory	Chemical Manufacturing	860.00	607.22

		Steel Manufacturing	1264.43	1163.29
		Metal Manufacturing	1233.70	432.18
		Machinery Manufacturing	1190.40	144.38
		Light Manufacturing	392.85	935.29
		Product Wholesale	1390.50	711.12
		Restaurant/Service	-46.71	731.00
	Retail & Restaurant	Machinery Manufacturing	3155.69	12198.30
		Product Wholesale	-1133.54	2031.17
		Restaurant/Service	44.16	5245.26
	Logistics Facility	Machinery Manufacturing	8944.49	1984.48
		Rd. Freight Trans. Service	7926.37	645.52
		Water/Air Freight Trans. Service and Trans. Related. Service	2113.52	
		Warehousing	10336.82	978.50
		Material Wholesale	-1712.52	14576.77
		Product Wholesale	2717.03	462.64
		Restaurant/Service	7995.99	1332.02
	Others	Machinery Manufacturing	178.41	1862.92
		Water/Air Freight Trans. Service and Trans. Related. Service	-4447.93	4371.35
		Restaurant/Service	6127.20	12741.91
emp (no.)	Office	Chemical Manufacturing	-186.44	731.19
		Steel Manufacturing	46.26	213.57
		Metal Manufacturing	19.42	130.00
		Machinery Manufacturing	7.96	5.63
		Light Manufacturing	-301.13	189.67
		Rd. Freight Trans. Service	92.37	29.42
		Water/Air Freight Trans. Service and Trans. Related. Service	1557.78	494.56
		Material Wholesale	48.48	242.79
		Product Wholesale	2.86	4.65
		Restaurant/Service	0.84	23.48
	Factory	Chemical Manufacturing	32.82	13.12
		Steel Manufacturing	0.25	29.79
		Metal Manufacturing	60.13	15.56
		Machinery Manufacturing	17.99	1.60
		Light Manufacturing	6.17	30.44
		Product Wholesale	89.86	4.67
		Restaurant/Service	139.70	49.77
	Retail & Restaurant	Machinery Manufacturing	-651.26	2076.98
		Product Wholesale	180.93	195.10
		Restaurant/Service	-6.34	877.90
	Logistics Facility	Machinery Manufacturing	19.41	45.08
		Rd. Freight Trans. Service	6.03	12.43
		Water/Air Freight Trans. Service and Trans. Related. Service	360.91	163.49
	\times () \cdot	Warehousing	-2.50	12.70
•		Material Wholesale	73.90	1888.00
\ C		Product Wholesale	-5.40	16.71
		Restaurant/Service	-78.83	53.05
	Others	Machinery Manufacturing	3.28	4.76
		Water/Air Freight Trans. Service and Trans. Related. Service	917.07	273.24
G	OCC	Restaurant/Service	-307.65	938.36
floor-emp	Office	Chemical Manufacturing	0.90	1.56
		Steel Manufacturing	0.03	0.05
		Metal Manufacturing	0.07	0.28
		Machinery Manufacturing	0.00	0.00
		Light Manufacturing	0.01	0.07
		Rd. Freight Trans. Service	-0.07	0.02
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.35	0.19

		Material Wholesale	-0.18	0.40
		Product Wholesale	0.00	0.00
		Restaurant/Service	0.00	0.01
	Factory	Chemical Manufacturing	0.00	0.00
	,	Steel Manufacturing	0.00	0.00
		Metal Manufacturing	0.00	0.00
		Machinery Manufacturing	0.00	0.00
		Light Manufacturing	-0.01	0.00
		Product Wholesale	0.00	0.00
		Restaurant/Service	-0.03	0.01
	Retail & Restaurant	Machinery Manufacturing	4.56	13.03
		Product Wholesale	-0.21	0.30
		Restaurant/Service	0.01	1.83
	Logistics Facility	Machinery Manufacturing	0.00	0.01
		Rd. Freight Trans. Service	0.00	0.00
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.01	0.02
		Warehousing	0.00	0.00
		Material Wholesale	-0.54	2.23
		Product Wholesale	0.02	0.00
		Restaurant/Service	0.01	0.01
	Others	Machinery Manufacturing	0.00	0.00
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.16	0.05
		Restaurant/Service	0.06	0.17
floor(m ²)	Office	Chemical Manufacturing	-3.42	16.75
, ,		Steel Manufacturing	-6.17	13.63
		Metal Manufacturing	-1.07	4.69
		Machinery Manufacturing	0.02	0.03
		Light Manufacturing	7.41	2.49
		Rd. Freight Trans. Service	2.64	0.97
		Water/Air Freight Trans. Service and Trans. Related. Service	4.80	2.39
		Material Wholesale	3.17	6.80
		Product Wholesale	0.07	0.14
		Restaurant/Service	0.44	0.79
	Factory	Chemical Manufacturing	0.43	0.12
	•	Steel Manufacturing	0.81	0.27
		Metal Manufacturing	0.22	0.17
		Machinery Manufacturing	0.05	0.01
	7	Light Manufacturing	2.10	0.57
	(1)	Product Wholesale	-0.17	0.22
		Restaurant/Service	2.43	0.54
	Retail & Restaurant	Machinery Manufacturing	-25.23	95.33
		Product Wholesale	2.50	4.12
	"U 4	Restaurant/Service	0.06	18.28
	Logistics Facility	Machinery Manufacturing	-0.37	0.46
		Rd. Freight Trans. Service	0.41	0.15
		Water/Air Freight Trans. Service and Trans. Related. Service	0.22	0.34
		Warehousing	0.41	0.16
		Material Wholesale	9.97	16.07
		Product Wholesale	-0.19	0.06
		Restaurant/Service	-0.64	0.24
	Others	Machinery Manufacturing	0.05	0.25
		Water/Air Freight Trans. Service and Trans. Related. Service	1.14	0.63
		Restaurant/Service	-1.21	3.23
\mathbb{R}^2			0.48	
R^2_{adj}			0.46	
n			3447	

8 chemicals, rubber or plastics

IV	, rubber or plastics fnc	ind	Coef.	SE
const	Office	Chemical Manufacturing	1500.55	1664.34
201150		Machinery Manufacturing	-50.11	15725.25
		Rd. Freight Trans. Service	8637.31	2082.03
		Material Wholesale	873.26	1294.78
		Product Wholesale	1316.58	1502.85
		Restaurant/Service	1068.82	4905.67
	Factory	Chemical Manufacturing	4121.26	393.73
	,	Metal Manufacturing	884.26	3735.44
		Machinery Manufacturing	-757.35	1531.91
		Light Manufacturing	-468.45	2110.36
		Material Wholesale	4618.11	2491.43
		Restaurant/Service	-4230.15	9466.23
	Retail & Restaurant	Material Wholesale	-6227.48	
	retuir & restaurant	Product Wholesale	1978.44	13309.08
	Logistics Facility	Chemical Manufacturing	7646.64	3102.32
	Logistics I denity	Rd. Freight Trans. Service	11509.11	1978.59
		Warehousing	10970.38	2819.41
		Material Wholesale	3958.96	1127.54
		Product Wholesale	6434.79	2824.78
	Others	Chemical Manufacturing	-239.70	5709.69
	Officis	Rd. Freight Trans. Service	-1197.17	6887.20
emp (no.)	Office	Chemical Manufacturing	64.33	40.81
cmp (no.)	Office	Machinery Manufacturing	3.19	1269.46
		Rd. Freight Trans. Service	197.38	142.33
		Material Wholesale	128.70	112.66
		Product Wholesale	-59.72	70.40
		Restaurant/Service	-70.78	51.96
	Factory	Chemical Manufacturing	24.58	6.37
	ractory	Metal Manufacturing	60.56	84.84
		Machinery Manufacturing	4.71	31.07
		Light Manufacturing	108.41	104.14
		Material Wholesale	229.20	
		Restaurant/Service		78.07
	Datail & Dastayment	Material Wholesale	-20.24	516.64
	Retail & Restaurant		1111.97	780.99
	Logistics Facility	Product Wholesale	-85.69 -108.65	1986.47
	Logistics Facility	Chemical Manufacturing		207.38
		Rd. Freight Trans. Service	163.02	98.78
		Warehousing	-136.81	176.98
~ ()		Material Wholesale	126.39	34.34
	Other	Product Wholesale	-149.12	220.05
	Others	Chemical Manufacturing	76.55	335.08
a	O.C.	Rd. Freight Trans. Service	544.71	433.03
floor-emp	Office	Chemical Manufacturing	-0.01	0.00
		Machinery Manufacturing	-0.01	1.85
		Rd. Freight Trans. Service	-0.21	0.09
		Material Wholesale	-0.04	0.06
		Product Wholesale	0.08	0.09
	Ε	Restaurant/Service	0.24	0.08
	Factory	Chemical Manufacturing	0.00	0.00
		Metal Manufacturing	-0.01	0.04
		Machinery Manufacturing	0.00	0.00
		Light Manufacturing	-0.03	0.01

		Material Wholesale	-0.03	0.03
		Restaurant/Service	-0.31	0.46
	Retail & Restaurant	Material Wholesale	-5.64	4.11
		Product Wholesale	-0.67	6.68
	Logistics Facility	Chemical Manufacturing	0.00	0.01
		Rd. Freight Trans. Service	0.03	0.02
		Warehousing	-0.01	0.02
		Material Wholesale	-0.05	0.03
		Product Wholesale	-0.16	0.29
	Others	Chemical Manufacturing	0.00	0.01
		Rd. Freight Trans. Service	-0.30	0.84
floor(m ²)	Office	Chemical Manufacturing	1.61	0.62
		Machinery Manufacturing	0.27	35.24
		Rd. Freight Trans. Service	3.70	1.90
		Material Wholesale	1.12	0.87
		Product Wholesale	-0.09	2.54
		Restaurant/Service	-0.71	4.25
	Factory	Chemical Manufacturing	0.18	0.06
		Metal Manufacturing	0.08	3.81
		Machinery Manufacturing	1.38	0.33
		Light Manufacturing	2.04	1.00
		Material Wholesale	1.51	1.44
		Restaurant/Service	20.72	23.02
	Retail & Restaurant	Material Wholesale	48.90	36.57
		Product Wholesale	6.55	49.89
	Logistics Facility	Chemical Manufacturing	1.53	0.51
		Rd. Freight Trans. Service	-0.37	1.01
		Warehousing	0.77	0.63
		Material Wholesale	0.73	0.51
		Product Wholesale	0.46	2.34
	Others	Chemical Manufacturing	-0.78	4.98
-	x	Rd. Freight Trans. Service	18.47	20.87
\mathbb{R}^2	7.		0.53	
R^2_{adj}			0.49	
n	200		1126	

9 mixed goods

IV	fnc	ind	Coef.	SE
const	Office	Machinery Manufacturing	130.95	9936.29
	M	Light Manufacturing	-540.91	10979.98
		Rd. Freight Trans. Service	-10311.15	10094.12
	$\times O$	Water/Air Freight Trans. Service and Trans. Related. Service	22.72	8822.73
	X	Material Wholesale	-792.02	6967.74
	0/	Product Wholesale	502.01	2546.67
		Restaurant/Service	989.27	4289.22
	Factory	Chemical Manufacturing	198.41	7284.59
		Machinery Manufacturing	6.69	13242.46
		Light Manufacturing	2797.27	9162.77
	Logistics Facility	Rd. Freight Trans. Service	7896.06	825.62
		Product Wholesale	-1795.43	8201.73
		Restaurant/Service	-10934.77	323402.18
emp (no.)	Office	Machinery Manufacturing	-0.33	677.89
		Light Manufacturing	26.47	1479.09

		Rd. Freight Trans. Service	745.91	424.49
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.27	172.98
		Material Wholesale	-0.64	137.14
		Product Wholesale	-0.09	17.21
		Restaurant/Service	-5.85	157.30
	Factory	Chemical Manufacturing	-2.89	1093.76
	•	Machinery Manufacturing	4.30	969.60
		Light Manufacturing	-385.87	2325.16
	Logistics Facility	Rd. Freight Trans. Service	9.70	11.50
		Product Wholesale	447.88	224.54
		Restaurant/Service	194.36	5510.94
floor-emp	Office	Machinery Manufacturing	0.00	0.06
_		Light Manufacturing	-0.31	2.52
		Rd. Freight Trans. Service	-0.59	0.43
		Water/Air Freight Trans. Service and Trans. Related. Service	0.00	0.02
		Material Wholesale	-0.04	0.18
		Product Wholesale	0.00	0.34
		Restaurant/Service	0.00	0.02
	Factory	Chemical Manufacturing	0.02	0.22
		Machinery Manufacturing	0.00	0.66
		Light Manufacturing	1.02	2.08
	Logistics Facility	Rd. Freight Trans. Service	0.00	0.00
		Product Wholesale	-0.01	0.03
		Restaurant/Service	-0.63	15.81
floor(m ²)	Office	Machinery Manufacturing	-0.22	42.28
		Light Manufacturing	5.25	42.99
		Rd. Freight Trans. Service	41.45	30.83
		Water/Air Freight Trans. Service and Trans. Related. Service	0.00	0.29
		Material Wholesale	4.12	15.58
		Product Wholesale	2.07	11.29
		Restaurant/Service	-0.05	4.88
	Factory	Chemical Manufacturing	0.00	18.24
		Machinery Manufacturing	-0.04	15.81
		Light Manufacturing	-12.92	23.45
	Logistics Facility	Rd. Freight Trans. Service	0.94	0.26
		Product Wholesale	-0.68	6.55
	106	Restaurant/Service	36.10	901.30
\mathbb{R}^2			0.57	
R^2_{adj}	×(),		0.45	
n	X		252	

Table Consumption model (dependent variable: kg per day)

1 agricultural products

IV	fnc	ind	Coef.	SE
const	Office	Light Manufacturing	2127.96	2503.21
		Rd. Freight Trans. Service	3948.69	2990.19
		Product Wholesale	807.27	1084.86
	Factory	Chemical Manufacturing	3106.94	2793.15
	•	Metal Manufacturing	-4337.65	12810.48
		Machinery Manufacturing	208.89	3162.09
		Light Manufacturing	1877.58	414.01
		Product Wholesale	471.80	1238.63
		Restaurant/Service	4446.90	7617.99
	Retail & Restaurant	Light Manufacturing	6.50	2666.44
		Product Wholesale	-998.24	1056.96
	Logistics Facility	Light Manufacturing	598.70	8716.11
	Logisties I delitif	Rd. Freight Trans. Service	3034.25	1610.69
		Water/Air Freight Trans. Service and Trans. Related. Service	-1004.18	8865.09
		Warehousing	11304.30	1804.98
		Product Wholesale	-1511.88	1110.10
		Retail	8659.74	27250.93
	Others		-41.30	14711.99
	Others	Light Manufacturing Product Wholesale	584.57	
		Product wholesale	384.37	2260.50
emp	Office	Light Manufacturing	0.48	88.81
(no.)	Office	Rd. Freight Trans. Service	290.73	198.44
		Product Wholesale	4.22	28.12
	Eastowy	Chemical Manufacturing	4.22	80.33
	Factory			
		Metal Manufacturing	798.08	2690.51
		Machinery Manufacturing	-3.72	115.68
		Light Manufacturing	37.61	4.63
		Product Wholesale	56.98	78.09
	D . 11 0 D	Restaurant/Service	-15.58	25.49
	Retail & Restaurant	Light Manufacturing	-1.06	271.91
		Product Wholesale	159.29	90.83
	Logistics Facility	Light Manufacturing	1239.60	884.37
		Rd. Freight Trans. Service	95.10	19.45
		Water/Air Freight Trans. Service and Trans. Related. Service	62.07	291.69
		Warehousing	-32.79	132.21
	. 0 11	Product Wholesale	146.20	31.05
		Retail	120.69	422.61
	Others	Light Manufacturing	0.01	1584.60
	×(),	Product Wholesale	-77.77	59.15
floor-	X /			
emp	Office	Light Manufacturing	0.01	0.07
		Rd. Freight Trans. Service	-0.75	0.33
		Product Wholesale	-0.07	0.05
	Factory	Chemical Manufacturing	-0.02	0.03
		Metal Manufacturing	-0.92	1.15
		Machinery Manufacturing	0.02	0.08
		Light Manufacturing	0.00	0.00
		Product Wholesale	0.01	0.02
		Restaurant/Service	0.00	0.00
	Retail & Restaurant	Light Manufacturing	0.00	0.17
		· ·		0.09
		Product Wholesale	0.06	0.09

		Rd. Freight Trans. Service	-0.01	0.00
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.01	0.05
		Warehousing	0.00	0.00
		Product Wholesale	-0.05	0.01
		Retail	0.08	0.30
	Others	Light Manufacturing	-0.05	3.10
	Others	Product Wholesale	-0.02	0.05
floor(m ²)	Office	Light Manufacturing	-0.67	4.47
noor(m)	Ome	Rd. Freight Trans. Service	20.49	6.65
		Product Wholesale	7.84	1.40
	Factory	Chemical Manufacturing	0.81	1.68
	1 detory	Metal Manufacturing	8.42	12.51
		Machinery Manufacturing	-1.84	5.59
		Light Manufacturing	0.17	0.06
		Product Wholesale	-0.22	0.50
		Restaurant/Service	-1.13	3.12
	Retail & Restaurant	Light Manufacturing	-0.13	4.21
	Ketan & Kestaurant	Product Wholesale	-0.13	1.11
	Logistics Engility	Light Manufacturing	-0.70 4.41	11.35
	Logistics Facility		1.12	0.48
		Rd. Freight Trans. Service		
		Water/Air Freight Trans. Service and Trans. Related. Service	0.13 -0.11	1.40
		Warehousing		0.17
		Product Wholesale	1.17	0.51
	Od	Retail Links Contains	-3.52	14.07
	Others	Light Manufacturing	1.06	38.91
prod		Product Wholesale	1.41	2.75
(kg/day)	Office	Light Manufacturing	0.71	0.30
(8,,)		Rd. Freight Trans. Service	0.04	0.02
		Product Wholesale	0.13	0.03
	Factory	Chemical Manufacturing	-0.02	0.02
	1 actory	Metal Manufacturing	1.70	4.10
		Machinery Manufacturing	1.52	1.20
		Light Manufacturing	0.01	0.01
		Product Wholesale	0.38	0.14
		Restaurant/Service	0.83	0.29
	Retail & Restaurant	Light Manufacturing	1.08	3.88
	Retail & Restaurant	Product Wholesale	1.00	0.13
	Logistics Facility	Light Manufacturing	0.38	0.10
	Logistics I actify	Rd. Freight Trans. Service	0.02	0.10
	(0)	Water/Air Freight Trans. Service and Trans. Related. Service	0.22	0.02
		Warehousing	0.00	0.00
	. 64	Product Wholesale	0.66	0.00
	UX	Retail	-0.19	0.09
	Others	Light Manufacturing	-0.19	9.75
	Oulcis	Product Wholesale	0.62	0.24
R^2		1 TOURCE AN HOTESAIC	0.62	0.24
R^2 R^2 adj				
	*		0.58	
<u>n</u>			805	

2 food products

IV	fnc	ind	Coef.	SE
const	Office	Light Manufacturing	-109.64	1761.88
		Rd. Freight Trans. Service	6666.59	1281.86
		Water/Air Freight Trans, Service and Trans, Related, Service	0.00	6251.31

		Warehousing	521.95	11918.70
		Product Wholesale	-210.16	808.57
		Restaurant/Service	-400.77	20073.40
	Factory	Chemical Manufacturing	1413.88	1956.66
	·	Machinery Manufacturing	1680.81	3774.52
		Light Manufacturing	1324.28	414.71
		Product Wholesale	2544.42	1642.89
		Restaurant/Service	-564.50	4325.74
	Retail & Restaurant	Light Manufacturing	-28.01	3121.13
		Product Wholesale	-309.76	860.57
	Logistics Facility	Light Manufacturing	7687.59	2835.29
		Rd. Freight Trans. Service	10171.77	1254.29
		Water/Air Freight Trans. Service and Trans. Related. Service	-3075.35	6457.45
		Warehousing	11589.84	1545.20
		Product Wholesale	309.98	893.03
		Retail	-4261.71	10442.47
		Restaurant/Service	-158963.72	110584.88
	Others	Rd. Freight Trans. Service	383.33	8998.57
		Water/Air Freight Trans. Service and Trans. Related. Service	-573.76	5148.30
emp (no.)	Office	Light Manufacturing	-0.76	28.22
		Rd. Freight Trans. Service	-53.61	29.20
		Water/Air Freight Trans. Service and Trans. Related. Service	0.00	116.82
		Warehousing	-24.92	341.89
		Product Wholesale	35.15	43.73
	Es et e m.	Restaurant/Service	41.08	2101.18
	Factory	Chemical Manufacturing	-71.42	68.50
		Machinery Manufacturing	-128.39	185.16
		Light Manufacturing Product Wholesale	27.59	6.11 56.63
		Restaurant/Service	-87.18 -28.36	109.56
	Retail & Restaurant	Light Manufacturing	8.71	161.17
	Ketan & Kestaurani	Product Wholesale	92.08	84.48
	Logistics Facility	Light Manufacturing	-75.27	44.59
	Logistics I activity	Rd. Freight Trans. Service	-93.32	28.20
		Water/Air Freight Trans. Service and Trans. Related. Service	114.58	357.12
		Warehousing	11.68	40.44
		Product Wholesale	20.39	34.32
	(Retail	669.00	267.79
		Restaurant/Service	494.21	426.89
	Others	Rd. Freight Trans. Service	-40.29	381.76
	106,	Water/Air Freight Trans. Service and Trans. Related. Service	3.83	190.36
floor-emp	Office	Light Manufacturing	0.00	0.01
_	~ 0 ~	Rd. Freight Trans. Service	0.02	0.01
	. 10	Water/Air Freight Trans. Service and Trans. Related. Service	0.00	0.19
		Warehousing	-0.46	0.83
		Product Wholesale	0.00	0.00
		Restaurant/Service	-0.02	0.69
	Factory	Chemical Manufacturing	0.00	0.01
		Machinery Manufacturing	0.02	0.02
		Light Manufacturing	0.00	0.00
		Product Wholesale	0.01	0.01
	D : 10 D :	Restaurant/Service	-0.03	0.12
	Retail & Restaurant	Light Manufacturing	-0.01	0.47
	Lamintina Dec 1114	Product Wholesale	-0.07	0.06
	Logistics Facility	Light Manufacturing	0.02	0.01
		Rd. Freight Trans. Service	0.02	0.00

Marchousing			Water/Air Freight Trans. Service and Trans. Related. Service	-0.03	0.09
Product Wholesale Retail				0.00	0.00
Restaurant/Service 0.05 0.03 0.06 0.016 0.019				-0.02	0.01
Restaurant/Service 0.05 0.03 0.06 0.016 0.019			Retail		
Mort(mit)			Restaurant/Service	0.05	0.03
Morr(m²) Office		Others	Rd. Freight Trans. Service	0.16	0.19
Floor(m²) Office				0.00	0.01
Ref.	floor(m ²)	Office		0.30	2.18
Water/Air Freight Trans. Service and Trans. Related. Service 0.00 16.98 Water/Air Freight Trans. Service and Trans. Related. Service 0.24 0.45 Restaurant/Service 0.58 13.16 Factory Chemical Manufacturing 0.57 1.30 Machinery Manufacturing 0.61 0.15 Light Manufacturing 0.61 0.16 Restaurant/Service 3.367 1.62 Retail & Restaurant Light Manufacturing 0.03 5.84 Product Wholesale 4.010 3.41 Logistics Facility Light Manufacturing 0.03 5.84 Product Wholesale 4.010 3.41 Logistics Facility Light Manufacturing 0.03 0.18 Retail Active Water/Air Freight Trans. Service and Trans. Related. Service 0.91 2.69 Water/Air Freight Trans. Service and Trans. Related. Service 0.91 2.69 Water/Air Freight Trans. Service and Trans. Related. Service 0.91 2.69 Water/Air Freight Trans. Service and Trans. Related. Service 0.92 2.693 Water/Air Freight Trans. Service and Trans. Related. Service 0.82 5.72 Product Wholesale 1.64 2.56 Water/Air Freight Trans. Service and Trans. Related. Service 0.82 5.72 Product Water/Air Freight Trans. Service and Trans. Related. Service 0.82 5.72 Product Water/Air Freight Trans. Service and Trans. Related. Service 0.82 5.72 Product Water/Air Freight Trans. Service and Trans. Related. Service 0.02 0.03 Water/Air Freight Trans. Service and Trans. Related. Service 0.03 0.04 0.04 Active Water/Air Freight Trans. Service and Trans. Related. Service 0.00 0.00 Restaurant/Service 0.00 0.00 0.00 0.00 Restaurant/Service 0.00	, ,			-0.82	0.37
Product Wholesale Restaurant/Service 0.58 13.16 13.1				0.00	16.98
Product Wholesale Restaurant/Service 0.58 3.16 1.36 1				27.84	50.93
Factory Chemical Manufacturing 0.57 1.30				0.24	0.45
Machinery Manufacturing			Restaurant/Service	0.58	13.16
Machinery Manufacturing		Factory	Chemical Manufacturing	0.57	1.30
Light Manufacturing		•	<u> </u>	-3.76	4.31
Product Wholesale Retail & Restaurant Retail & Restaurant/Service Retail & Restaurant/Service Retail & Restaurant Light Manufacturing Retail & Restaurant Retail & Restaurant/Service Retail & Restaurant/Service Retail & Restaurant/Service Retail & Restaurant/Service Retail & Retail & Restaurant/Service Restaurant/Service Restaurant/Service Restaurant/Service Retail & Restaurant/Service R				0.61	0.12
Retail & Restaurant				3.67	1.62
Retail & Restaurant Light Manufacturing Product Wholesale Auto Wholesale Cujistics Facility Light Manufacturing Cujistics Facility Eight Manufacturing Cujistics Facility Rd. Freight Trans. Service Auto Water/Air Freight Trans. Service and Trans. Related. Service O.14 O.09 O.79 Retail Restaurant/Service Auto Water/Air Freight Trans. Service and Trans. Related. Service O.22 O.39 O.18 Restaurant/Service Auto Water/Air Freight Trans. Service and Trans. Related. Service O.22 O.30 Restaurant/Service O.32 O.32 O.32 O.32 O.32 Rd. Freight Trans. Service and Trans. Related. Service O.12 O.03 Rd. Freight Trans. Service and Trans. Related. Service O.12 O.03 Rd. Freight Trans. Service and Trans. Related. Service O.12 O.03 Rd. Freight Trans. Service and Trans. Related. Service O.12 O.03 Water/Air Freight Trans. Service and Trans. Related. Service O.12 O.03 Water/Air Freight Trans. Service and Trans. Related. Service O.10 O.02 O.02 Product Wholesale O.60 O.08 Restaurant/Service O.10 O.00 O.01 Product Wholesale O.00 O.01 Product Wholesa			Restaurant/Service	3.85	7.52
		Retail & Restaurant	Light Manufacturing	0.03	
Light Manufacturing Rd. Freight Trans. Service and Trans. Related. Service 0.39 0.18			ě č		
R.J. Freight Trans. Service -0.39 0.18 Water/Air Freight Trans. Service and Trans. Related. Service 0.91 2.69 Waterbousing 0.014 0.009 0.079 Retail 1.64 2.56 0.000 0.00		Logistics Facility	Light Manufacturing		
Water/Air Freight Trans. Service and Trans. Related. Service 0.91 2.69 Water/Lossing 0.07 0.07 Product Wholesale 1.90 0.79 Retail 1.64 2.56 Restaurant/Service 0.40 0.63 Others Ref. Freight Trans. Service 0.22 6.93 Water/Air Freight Trans. Service and Trans. Related. Service 0.82 5.72 Product Wholesale 0.09 0.43 Rd. Freight Trans. Service 0.12 0.03 Rd. Freight Trans. Service 0.12 0.03 Rd. Freight Trans. Service 0.12 0.03 Rd. Freight Trans. Service and Trans. Related. Service 0.12 0.03 Water/Air Freight Trans. Service and Trans. Related. Service 0.10 0.55 Water/Air Freight Trans. Service 0.10 0.08 Restaurant/Service 0.10 0.09 0.04 Restaurant/Service 0.10 0.00 0.01 Product Wholesale 0.00 0.01 Restaurant/Service 1.18 0.31 Light Manufacturing 0.09 0.08 Restaurant/Service 1.18 0.31 Retail & Restaurant Light Manufacturing 0.57 10.15 Product Wholesale 0.47 0.45 Logistics Facility Light Manufacturing 0.44 0.14 Rd. Freight Trans. Service 0.02 0.01 Water/Air Freight Trans. Service and Trans. Related. Service 0.09 0.08 Restaurant/Service 0.01 0.04 0.04 Product Wholesale 0.51 0.06 Retail 0.04 0.04 0.04 Restaurant/Service 0.04 0.04 Restaurant/Service 0.05 0.06 Restaurant/Service 0.06 0.08 Restaurant/Service 0.07 0.07 Restaurant/Service 0.08 0.08 Restaurant/Service 0.09 0.00 Restaurant/Service 0.00 0.00		<i>C</i> ,			
Warehousing				0.91	
Product Wholesale 1.90 0.79 Retail 1.64 2.56 2.56 2.57 2.58 2.57				-0.14	0.09
Retail				1.90	
Product Wholesale Restaurant Restauran			Retail		
Prod			Restaurant/Service	-0.40	0.63
Prod		Others			
Prod Ckg/day Office					
Rd. Freight Trans. Service 0.12 0.03 Water/Air Freight Trans. Service and Trans. Related. Service 1.00 3.52 Warehousing 0.02 0.02 Product Wholesale 0.60 0.08 Restaurant/Service 2.13 141.38 Factory Chemical Manufacturing 0.39 0.46 Machinery Manufacturing 1.80 1.83 Light Manufacturing 0.00 0.01 Product Wholesale 0.09 0.08 Restaurant/Service 1.18 0.31 Retail & Restaurant Light Manufacturing 0.57 10.15 Product Wholesale 0.47 0.45 Logistics Facility Light Manufacturing 0.44 0.14 Rd. Freight Trans. Service 0.02 0.01 Water/Air Freight Trans. Service and Trans. Related. Service 0.89 0.86 Warehousing 0.04 0.01 Product Wholesale 0.51 0.06 Retail Restaurant/Service 17.68 11.22 Others Rd. Freight Trans. Service and Trans. Related. Service -0.04 0.08 Water/Air Freight Trans. Service and Trans. Related. Service 1.10 5.09 R ² R ² _{adj} 0.57 0.57 R ² _{adj} 0.57 0.51	prod				
Water/Air Freight Trans. Service and Trans. Related. Service 1.00 3.52 Warehousing 0.02 0.02 Product Wholesale 0.60 0.08 Restaurant/Service 2.13 141.38 Factory Chemical Manufacturing 0.39 0.46 Machinery Manufacturing 0.00 0.01 Product Wholesale 0.09 0.08 Restaurant/Service 1.18 0.31 Retail & Restaurant Light Manufacturing 0.57 10.15 Product Wholesale 0.47 0.45 Logistics Facility Light Manufacturing 0.44 0.14 Rd. Freight Trans. Service 0.02 0.01 Water/Air Freight Trans. Service and Trans. Related. Service 0.89 0.86 Warehousing 0.04 0.01 Product Wholesale 0.51 0.06 Retail 0.04 0.14 Restaurant/Service 1.7.68 11.22 Others Rd. Freight Trans. Service and Trans. Related. Service 1.10 5.09 R ² R ² _{adj} 0.57 0.57 R ² R ² _{adj} 0.57 0.51	(kg/day)	Office			
Warehousing 0.02 0.02 0.02 0.02 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.				0.12	
Product Wholesale Restaurant/Service 2.13 141.38				1.00	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				0.02	0.02
Factory Chemical Manufacturing 1.80 1.83 1.83 1.83 1.80 1.83 1.83 1.80 1.83 1.80 1.83 1.80 1.83 1.80 1.83 1.80 1.83 1.80 1.83 1.80 1.83 1.80 1.80 1.83 1.80 1.83 1.80 1.83 1.80 1.83 1.80 1.80 1.80 1.83 1.80				0.60	0.08
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			Restaurant/Service	2.13	141.38
Light Manufacturing 0.00 0.01 Product Wholesale 0.09 0.08 Restaurant/Service 1.18 0.31 Retail & Restaurant Light Manufacturing 0.57 10.15 Product Wholesale 0.47 0.45 Logistics Facility Light Manufacturing 0.44 0.14 Rd. Freight Trans. Service 0.02 0.01 Water/Air Freight Trans. Service and Trans. Related. Service 0.89 0.86 Warehousing 0.04 0.01 Product Wholesale 0.51 0.06 Retail -0.04 0.14 Restaurant/Service 17.68 11.22 Others Rd. Freight Trans. Service and Trans. Related. Service -0.04 0.08 Water/Air Freight Trans. Service and Trans. Related. Service 1.10 5.09 R ² R ² 0.57 R ² R ² 0.57 R ² R ² 0.51 Restaurant/Service 0.51 0.51 Restaurant/Service 0.51 0.51 R ² 0.57 0.51 R ² 0.57 0.51 R ² 0.57 0.51 R ² 0.57 0.51 Restaurant/Service 0.51 0.51 Restaurant/Service 0.51 0.51 R ² 0.57 0.57 R ² 0.57 0.51 R ² 0.57 0.51 R ² 0.57 0.57 R ² 0.57 0.51 R ² 0.57 0.57 R ² 0.57 0.		Factory	Chemical Manufacturing	0.39	0.46
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			Machinery Manufacturing	1.80	1.83
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			Light Manufacturing	0.00	0.01
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				0.09	0.08
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		106	Restaurant/Service	1.18	0.31
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Retail & Restaurant	Light Manufacturing	0.57	10.15
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		~U ~	Product Wholesale	0.47	0.45
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Logistics Facility	Light Manufacturing	0.44	0.14
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			Rd. Freight Trans. Service	0.02	0.01
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			Water/Air Freight Trans. Service and Trans. Related. Service	0.89	0.86
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			Warehousing	0.04	0.01
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			Product Wholesale	0.51	0.06
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$				-0.04	0.14
Water/Air Freight Trans. Service and Trans. Related. Service $ \begin{array}{c c} R^2 & 0.57 \\ R^2_{adj} & 0.51 \end{array} $			Restaurant/Service	17.68	11.22
$R^2 = 0.57$ $R^2_{adj} = 0.51$		Others	Rd. Freight Trans. Service	-0.04	0.08
R^2_{adj} 0.51	-		Water/Air Freight Trans. Service and Trans. Related. Service	1.10	5.09
				0.57	
	R^2_{adj}			0.51	
	<u>n</u>			975	

	d/light manufacturing			
IV	fnc	ind	Coef.	SE
const	Office	Chemical Manufacturing	-172.42	1455.70
		Machinery Manufacturing	-369.07	2006.38
		Light Manufacturing	187.10	469.76
		Rd. Freight Trans. Service	6528.47	1242.42
		Water/Air Freight Trans. Service and Trans. Related. Service	-599.71	5422.86
		Warehousing	6517.22	23166.81
		Material Wholesale	1246.66	1669.69
		Product Wholesale	156.18	259.22
		Retail	135.05	5260.20
		Restaurant/Service	73.15	1081.99
	Factory	Chemical Manufacturing	470.71	448.69
	•	Steel Manufacturing	408.26	14944.18
		Metal Manufacturing	-854.62	1765.90
		Machinery Manufacturing	621.65	832.27
		Light Manufacturing	1289.16	205.26
		Material Wholesale	-5593.75	9614.75
		Product Wholesale	-114.94	1004.26
		Restaurant/Service	675.15	570.78
	Retail & Restaurant	Light Manufacturing	-130.21	1833.31
	Retair & Restaurant	Material Wholesale	-266.00	6015.06
		Product Wholesale	196.60	812.71
		Restaurant/Service	-8.03	1063.30
	Logistics Facility		-1470.86	4626.31
	Logistics Facility	Chemical Manufacturing	-543.98	1878.60
		Light Manufacturing		
		Rd. Freight Trans. Service	6254.45	559.96
		Water/Air Freight Trans. Service and Trans. Related. Service	3354.18	1637.41
		Warehousing	5375.87	719.09
		Material Wholesale	-72.66	3567.06
		Product Wholesale	872.37	473.45
		Retail	6099.82	8318.66
	0.1	Restaurant/Service	2264.62	1942.76
	Others	Light Manufacturing	-30.85	6111.44
		Rd. Freight Trans. Service	3156.69	6489.88
		Water/Air Freight Trans. Service and Trans. Related. Service	26808.97	49714.70
		Warehousing	8105.64	6844.50
		Product Wholesale	-1771.68	7869.99
		Restaurant/Service	8.82	2784.66
emp (no.)	Office	Chemical Manufacturing	5.16	85.45
		Machinery Manufacturing	44.88	80.40
		Light Manufacturing	17.40	28.86
	$\lambda(I)$,	Rd. Freight Trans. Service	-57.76	52.00
	7 // 0	Water/Air Freight Trans. Service and Trans. Related. Service	54.80	237.21
		Warehousing	-926.50	2647.33
		Material Wholesale	-10.31	145.47
		Product Wholesale	4.74	3.82
		Retail	-3.90	82.14
		Restaurant/Service	-0.29	32.01
	Factory	Chemical Manufacturing	10.15	11.18
	₹ 	Steel Manufacturing	-54.83	1129.21
		Metal Manufacturing	126.16	198.08
		Machinery Manufacturing	-17.21	13.96
		Light Manufacturing	25.91	7.61
		Material Wholesale	1751.50	1466.78
		Product Wholesale	-61.30	124.81
			01.50	121

		Restaurant/Service	-3.72	14.59
	Retail & Restaurant	Light Manufacturing	53.74	345.69
		Material Wholesale	31.64	672.26
		Product Wholesale	-11.02	41.81
		Restaurant/Service	7.52	186.97
	Logistics Facility	Chemical Manufacturing	26.24	467.38
	e ,	Light Manufacturing	206.35	103.13
		Rd. Freight Trans. Service	3.50	10.36
		Water/Air Freight Trans. Service and Trans. Related. Service	94.89	40.72
		Warehousing	106.39	18.95
		Material Wholesale	-5.19	113.38
		Product Wholesale	22.81	21.86
		Retail	6.36	542.24
		Restaurant/Service	-47.84	65.36
	Others	Light Manufacturing	8.24	1013.93
		Rd. Freight Trans. Service	-279.34	239.04
		Water/Air Freight Trans. Service and Trans. Related. Service	-482.47	3381.61
		Warehousing	-80.08	442.77
		Product Wholesale	196.28	565.99
		Restaurant/Service	-12.57	292.92
floor-emp	Office	Chemical Manufacturing	0.00	0.02
		Machinery Manufacturing	-0.01	0.03
		Light Manufacturing	0.00	0.01
		Rd. Freight Trans. Service	0.08	0.05
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.44	5.37
		Warehousing	0.78	3.73
		Material Wholesale	0.04	0.13
		Product Wholesale	0.00	0.00
	Factory	Retail	0.00	0.00
		Restaurant/Service	0.00	0.04
		Chemical Manufacturing	0.00	0.00
		Steel Manufacturing	0.24 -0.01	3.06
		Metal Manufacturing		0.01
		Machinery Manufacturing Light Manufacturing	0.00 0.00	0.00
		Material Wholesale	-5.24	4.95
		Product Wholesale	-0.01	0.08
	C	Restaurant/Service	0.00	0.00
	Retail & Restaurant	Light Manufacturing	-0.12	1.11
	Retail & Restaurant	Material Wholesale	-0.10	1.57
	(0)	Product Wholesale	0.02	0.02
		Restaurant/Service	-0.03	0.52
	Logistics Facility	Chemical Manufacturing	-0.04	0.04
		Light Manufacturing	-0.06	0.03
		Rd. Freight Trans. Service	0.00	0.00
		Water/Air Freight Trans. Service and Trans. Related. Service	0.00	0.00
		Warehousing	0.00	0.00
		Material Wholesale	0.00	0.18
		Product Wholesale	0.00	0.00
		Retail	0.06	0.10
		Restaurant/Service	0.00	0.01
	Others	Light Manufacturing	-0.01	2.51
		Rd. Freight Trans. Service	0.10	0.59
		Water/Air Freight Trans. Service and Trans. Related. Service	0.19	1.29
		Warehousing	0.03	0.06
		Product Wholesale	-0.09	0.30

		Restaurant/Service	0.00	0.01
floor(m ²)	Office	Chemical Manufacturing	0.04	0.95
` /		Machinery Manufacturing	0.77	2.32
		Light Manufacturing	-0.65	0.81
		Rd. Freight Trans. Service	-0.55	1.36
		Water/Air Freight Trans. Service and Trans. Related. Service	5.30	47.23
		Warehousing	-16.66	87.05
		Material Wholesale	1.30	2.33
		Product Wholesale	0.02	0.06
		Retail	-0.04	1.05
		Restaurant/Service	-0.32	2.20
	Factory	Chemical Manufacturing	0.00	0.05
	•	Steel Manufacturing	-2.13	45.24
		Metal Manufacturing	-0.11	1.02
		Machinery Manufacturing	0.83	0.37
		Light Manufacturing	0.21	0.06
		Material Wholesale	16.63	38.25
		Product Wholesale	2.22	4.01
		Restaurant/Service	-0.67	0.39
	Retail & Restaurant	Light Manufacturing	0.54	5.84
		Material Wholesale	1.14	17.46
		Product Wholesale	-0.28	0.79
		Restaurant/Service	0.12	2.60
	Logistics Facility	Chemical Manufacturing	3.82	6.47
	•	Light Manufacturing	-0.71	0.86
		Rd. Freight Trans. Service	0.29	0.07
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.21	0.24
		Warehousing	0.17	0.08
		Material Wholesale	-0.04	5.71
		Product Wholesale	-0.03	0.19
		Retail	-7.02	11.60
		Restaurant/Service	0.12	0.84
	Others	Light Manufacturing	-0.10	33.41
		Rd. Freight Trans. Service	-2.61	6.03
		Water/Air Freight Trans. Service and Trans. Related. Service	-9.10	19.97
		Warehousing	-4.28	3.83
		Product Wholesale	2.10	12.25
		Restaurant/Service	0.56	12.44
prod	, (()			
(kg/day)	Office	Chemical Manufacturing	0.98	0.27
		Machinery Manufacturing	0.07	0.48
		Light Manufacturing	0.77	0.11
	~ 0 ~	Rd. Freight Trans. Service	0.12	0.03
		Water/Air Freight Trans. Service and Trans. Related. Service	0.25	0.08
		Warehousing	2.20	6.26
		Material Wholesale	0.00	0.02
		Product Wholesale	0.99	0.10
		Retail	1.89	11.26
		Restaurant/Service	0.99	0.12
	Factory	Chemical Manufacturing	0.38	0.06
		Steel Manufacturing	1.09	20.47
		Metal Manufacturing	0.40	1.08
		Machinery Manufacturing	0.00	0.06
		Light Manufacturing	0.05	0.01
		Material Wholesale	0.80	0.46
		Product Wholesale	0.87	0.41

		Restaurant/Service	0.90	0.07
	Retail & Restaurant	Light Manufacturing	0.17	0.85
		Material Wholesale	0.96	2.32
		Product Wholesale	0.66	0.33
		Restaurant/Service	0.43	1.30
	Logistics Facility	Chemical Manufacturing	-0.22	0.96
		Light Manufacturing	0.86	0.13
		Rd. Freight Trans. Service	0.08	0.02
		Water/Air Freight Trans. Service and Trans. Related. Service	0.13	0.06
		Warehousing	0.05	0.01
		Material Wholesale	0.95	0.47
		Product Wholesale	0.62	0.08
		Retail	1.71	2.34
		Restaurant/Service	0.44	0.09
	Others	Light Manufacturing	0.95	7.34
		Rd. Freight Trans. Service	1.13	0.33
		Water/Air Freight Trans. Service and Trans. Related. Service	0.18	0.52
		Warehousing	0.53	0.14
		Product Wholesale	2.50	3.80
		Restaurant/Service	1.16	2.95
\mathbb{R}^2		.,(0),	0.56	
R^2_{adj}			0.52	
n			2353	

4 wood and paper products

IV	fnc	ind	Coef.	SE
const	Office	Light Manufacturing	21.06	697.48
		Rd. Freight Trans. Service	898.28	1580.86
		Water/Air Freight Trans. Service and Trans. Related. Service	1831.83	3743.13
		Material Wholesale	440.91	1337.03
		Product Wholesale	5.49	1010.12
		Restaurant/Service	136.63	888.83
	Factory	Chemical Manufacturing	2557.74	6438.36
		Metal Manufacturing	-852.42	4222.18
		Machinery Manufacturing	237.01	2358.99
		Light Manufacturing	1869.64	302.81
		Material Wholesale	-2956.72	3935.84
		Product Wholesale	602.07	5508.13
		Restaurant/Service	2651.62	4099.29
	Retail & Restaurant	Material Wholesale	69.86	1706.68
		Restaurant/Service	-5.41	5422.12
	Logistics Facility	Light Manufacturing	-1714.78	2520.49
	*\\	Rd. Freight Trans. Service	1378.00	1287.47
		Water/Air Freight Trans. Service and Trans. Related. Service	1882.72	1433.57
		Warehousing	-7.70	1185.26
		Material Wholesale	1733.65	1247.80
		Product Wholesale	2833.92	1691.12
		Restaurant/Service	490.06	1619.32
	Others	Light Manufacturing	-713.00	5772.37
		Water/Air Freight Trans. Service and Trans. Related. Service	-17.47	5352.24
emp (no.)	Office	Light Manufacturing	14.16	32.78
		Rd. Freight Trans. Service	83.83	58.33
		Water/Air Freight Trans. Service and Trans. Related. Service	41.49	167.77
		Material Wholesale	85.86	123.25
		Product Wholesale	0.06	6.79

		Restaurant/Service	9.46	8.78
	Factory	Chemical Manufacturing	-339.02	375.19
	·	Metal Manufacturing	99.75	372.59
		Machinery Manufacturing	-10.18	149.28
		Light Manufacturing	49.15	10.91
		Material Wholesale	450.90	419.56
		Product Wholesale	-139.40	1905.71
		Restaurant/Service	-187.35	364.80
	Retail & Restaurant	Material Wholesale	40.33	191.91
		Restaurant/Service	5.35	
	Logistics Facility	Light Manufacturing	-132.55	80.78
		Rd. Freight Trans. Service	4.24	41.71
		Water/Air Freight Trans. Service and Trans. Related. Service	28.82	42.03
		Warehousing	229.43	68.72
		Material Wholesale	-12.22	56.03
		Product Wholesale	-7.54	42.56
	04	Restaurant/Service	-1.90	34.60
	Others	Light Manufacturing Water/Air Enricht Trans, Service and Trans, Beletad, Service	204.10	617.67 186.66
floor omn	Office	Water/Air Freight Trans. Service and Trans. Related. Service Light Manufacturing	0.71 0.00	0.01
floor-emp	Office	Rd. Freight Trans. Service	0.00	0.01
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.01	0.18
		Material Wholesale	-0.03	0.23
		Product Wholesale	0.00	0.05
		Restaurant/Service	0.00	0.00
	Factory	Chemical Manufacturing	0.10	0.11
	1 40001	Metal Manufacturing	-0.18	0.31
		Machinery Manufacturing	0.00	0.02
		Light Manufacturing	0.00	0.00
		Material Wholesale	-0.10	0.09
		Product Wholesale	0.02	0.11
		Restaurant/Service	0.10	0.18
	Retail & Restaurant	Material Wholesale	-0.11	0.55
		Restaurant/Service	0.03	8.55
	Logistics Facility	Light Manufacturing	-0.01	0.01
		Rd. Freight Trans. Service	0.00	0.00
		Water/Air Freight Trans. Service and Trans. Related. Service	0.00	0.00
		Warehousing	0.01	0.01
		Material Wholesale	-0.01	0.02
	. 0 //	Product Wholesale	-0.01	0.01
	Others	Restaurant/Service	0.00	0.01
	Others	Light Manufacturing Water/Air Francht Trans, Service and Trans, Balated, Service	-0.22 0.00	1.52 0.03
floor(m ²)	Office	Water/Air Freight Trans. Service and Trans. Related. Service Light Manufacturing	-0.21	0.03
noor(m)	Office	Rd. Freight Trans. Service	0.83	5.97
		Water/Air Freight Trans. Service and Trans. Related. Service	-1.25	11.27
		Material Wholesale	0.80	0.40
		Product Wholesale	0.20	2.25
		Restaurant/Service	-0.13	0.96
	Factory	Chemical Manufacturing	-0.31	2.93
	-	Metal Manufacturing	3.64	5.59
		Machinery Manufacturing	0.04	1.89
		Light Manufacturing	0.58	0.14
		Material Wholesale	1.96	1.82
		Product Wholesale	-0.99	12.85
		Restaurant/Service	-1.56	2.60

	Retail & Restaurant	Material Wholesale	0.32	4.53
		Restaurant/Service	-0.94	290.87
	Logistics Facility	Light Manufacturing	2.55	0.90
		Rd. Freight Trans. Service	0.23	0.31
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.29	0.36
		Warehousing	0.00	0.13
		Material Wholesale	-0.14	0.78
		Product Wholesale	1.36	0.62
		Restaurant/Service	-0.05	0.36
	Others	Light Manufacturing	0.28	16.98
		Water/Air Freight Trans. Service and Trans. Related. Service	0.03	2.21
prod			<i>(11)</i> .	
(kg/day)	Office	Light Manufacturing	0.99	0.12
		Rd. Freight Trans. Service	0.05	0.03
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.01	0.07
		Material Wholesale	0.66	0.08
		Product Wholesale	0.52	0.81
		Restaurant/Service	0.11	0.18
	Factory	Chemical Manufacturing	1.65	1.10
		Metal Manufacturing	0.05	0.31
		Machinery Manufacturing	0.61	0.69
		Light Manufacturing	0.04	0.01
		Material Wholesale	0.66	0.49
		Product Wholesale	1.49	9.38
		Restaurant/Service	1.08	0.17
	Retail & Restaurant	Material Wholesale	1.11	0.22
		Restaurant/Service	9.40	2487.92
	Logistics Facility	Light Manufacturing	0.58	0.23
		Rd. Freight Trans. Service	0.60	0.07
		Water/Air Freight Trans. Service and Trans. Related. Service	0.00	0.00
		Warehousing	0.17	0.06
		Material Wholesale	0.61	0.08
		Product Wholesale	0.14	0.04
		Restaurant/Service	1.03	0.13
	Others	Light Manufacturing	0.27	6.10
		Water/Air Freight Trans. Service and Trans. Related. Service	1.00	0.60
\mathbb{R}^2			0.64	
R^2_{adj}			0.60	
n			1012	

5 minerals, ore, stone, cement, ceramics or glass

5 minerals, ore, stone, cement, ceramics or glass					
ind	Coef.	SE			
Chemical Manufacturing	5380.72	3449.41			
Rd. Freight Trans. Service	388.23	6955.52			
Material Wholesale	1778.81	1567.23			
Product Wholesale	-2594.24	3460.82			
Chemical Manufacturing	6669.68	794.57			
Steel Manufacturing	143.03	3755.33			
Metal Manufacturing	1083.12	7320.89			
Machinery Manufacturing	414.73	1358.05			
Light Manufacturing	-1762.78	4939.72			
Material Wholesale	-3643.79	7004.60			
Material Wholesale	-5220.61	4180.15			
Chemical Manufacturing	101144.92	168994.17			
Rd. Freight Trans. Service	28967.47	7643.92			
	ind Chemical Manufacturing Rd. Freight Trans. Service Material Wholesale Product Wholesale Chemical Manufacturing Steel Manufacturing Metal Manufacturing Machinery Manufacturing Light Manufacturing Material Wholesale Material Wholesale Chemical Manufacturing	ind Coef. Chemical Manufacturing 5380.72 Rd. Freight Trans. Service 388.23 Material Wholesale 1778.81 Product Wholesale -2594.24 Chemical Manufacturing 6669.68 Steel Manufacturing 143.03 Metal Manufacturing 1083.12 Machinery Manufacturing 414.73 Light Manufacturing -1762.78 Material Wholesale -3643.79 Material Wholesale -5220.61 Chemical Manufacturing 101144.92			

		Warehousing	54904.38	20409.00
		Material Wholesale	9515.24	3250.74
		Product Wholesale	-1129.44	26230.54
emp (no.)	Office	Chemical Manufacturing	-113.94	258.58
1 (/		Rd. Freight Trans. Service	46.66	499.07
		Material Wholesale	-8.74	65.13
		Product Wholesale	-53.22	320.57
	Factory	Chemical Manufacturing	-2.55	19.80
	•	Steel Manufacturing	-25.01	172.36
		Metal Manufacturing	-32.22	404.63
		Machinery Manufacturing	5.27	27.19
		Light Manufacturing	231.76	190.83
		Material Wholesale	707.84	412.62
	Retail & Restaurant	Material Wholesale	572.68	446.27
	Logistics Facility	Chemical Manufacturing	-7210.32	11541.62
		Rd. Freight Trans. Service	-2238.50	760.10
		Warehousing	-2057.00	880.43
		Material Wholesale	-259.14	332.49
		Product Wholesale	-102.47	2375.05
floor-emp	Office	Chemical Manufacturing	-0.13	0.29
		Rd. Freight Trans. Service	0.63	3.32
		Material Wholesale	-0.02	0.20
		Product Wholesale	-0.76	0.54
	Factory	Chemical Manufacturing	0.00	0.00
		Steel Manufacturing	0.00	0.00
		Metal Manufacturing	0.01	0.06
		Machinery Manufacturing	0.00	0.00
		Light Manufacturing	-0.07	0.12
		Material Wholesale	-0.32	0.20
	Retail & Restaurant	Material Wholesale	-1.85	1.50
	Logistics Facility	Chemical Manufacturing	1.50	3.83
		Rd. Freight Trans. Service	9.57	3.46
	2	Warehousing	2.06	0.86
		Material Wholesale	0.09	0.39
ci (2)	Off	Product Wholesale	-0.08	0.66
floor(m ²)	Office	Chemical Manufacturing	2.09	3.72
		Rd. Freight Trans. Service	-10.63	51.74
	1000	Material Wholesale	1.46	3.04
	Factors	Product Wholesale	19.68	9.58
	Factory	Chemical Manufacturing	-0.04 0.41	0.10 1.43
	100	Steel Manufacturing Metal Manufacturing	-0.12	2.80
	7 4	Machinery Manufacturing	-0.12	0.18
X	\mathcal{O}	Light Manufacturing	0.39	3.83
X		Material Wholesale	9.16	5.32
100	Retail & Restaurant	Material Wholesale	18.64	11.68
	Logistics Facility	Chemical Manufacturing	-24.35	56.95
	Logistics I definty	Rd. Freight Trans. Service	-108.09	36.92
		Warehousing	-95.28	39.33
		Material Wholesale	4.59	4.11
		Product Wholesale	2.80	37.30
prod				J. 1.2 9
(kg/day)	Office	Chemical Manufacturing	0.00	0.00
		Rd. Freight Trans. Service	0.00	0.01
		Material Wholesale	0.50	0.08
		Product Wholesale	1.62	0.53

	Factory	Chemical Manufacturing	0.00	0.00
		Steel Manufacturing	1.26	1.74
		Metal Manufacturing	0.43	0.67
		Machinery Manufacturing	0.59	0.21
		Light Manufacturing	0.43	0.13
		Material Wholesale	-0.01	0.01
	Retail & Restaurant	Material Wholesale	0.60	0.19
	Logistics Facility	Chemical Manufacturing	-0.62	2.76
		Rd. Freight Trans. Service	0.04	0.02
		Warehousing	0.17	0.07
		Material Wholesale	0.01	0.03
		Product Wholesale	1.35	4.82
\mathbb{R}^2			0.58	
R^2_{adj}			0.50	7/
n			475	9

6 metals or articles of metal

IV	fnc	ind	Coef.	SE
const	Office	Chemical Manufacturing	1803.95	7189.20
		Steel Manufacturing	-1886.97	1880.38
		Metal Manufacturing	-80.84	750.14
		Machinery Manufacturing	292.02	532.54
		Light Manufacturing	288.11	3427.88
		Rd. Freight Trans. Service	599.34	1743.89
		Water/Air Freight Trans. Service and Trans. Related. Service	ice -78770.54	15006.40
		Material Wholesale	-375.89	
		Product Wholesale	378.07	
		Restaurant/Service	709.05	3812.05
	Factory	Chemical Manufacturing	358.60	
		Steel Manufacturing	4146.49	384.90
		Metal Manufacturing	501.83	170.35
		Machinery Manufacturing	686.55	
		Light Manufacturing	810.34	
		Material Wholesale	963.91	
		Product Wholesale	-56.96	926.61
		Restaurant/Service	1277.15	
	Retail & Restaurant	Material Wholesale	3355.28	1233.88
		Product Wholesale	282.01	
	Logistics Facility	Steel Manufacturing	-7083.77	12793.71
	100,	Metal Manufacturing	-4148.58	3 4451.38
		Machinery Manufacturing	874.57	
	"U A	Rd. Freight Trans. Service	5805.43	
		Water/Air Freight Trans. Service and Trans. Related. Service	ice 7375.69	4198.37
		Warehousing	14305.02	
		Material Wholesale	5384.40	
		Product Wholesale	-362.93	
	Others	Rd. Freight Trans. Service	1038.30	
emp (no.)	Office	Chemical Manufacturing	-345.52	
		Steel Manufacturing	509.34	
		Metal Manufacturing	74.95	
		Machinery Manufacturing	-9.12	
		Light Manufacturing	-13.47	317.51
		Rd. Freight Trans. Service	123.37	
		Water/Air Freight Trans. Service and Trans. Related. Service	ice 7039.21	1087.99
		Material Wholesale	67.08	48.63

		Product Wholesale	36.32	44.17
		Restaurant/Service	-90.39	311.24
	Factory	Chemical Manufacturing	61.34	39.41
		Steel Manufacturing	20.02	11.40
		Metal Manufacturing	34.59	6.90
		Machinery Manufacturing	8.34	2.06
		Light Manufacturing	61.18	30.31
		Material Wholesale	17.98	71.72
		Product Wholesale	7.53	30.39
	Data:1 @ Dantassant	Restaurant/Service	-575.27	731.65
	Retail & Restaurant	Material Wholesale	-417.27 -0.29	171.79 592.80
	Logistics Facility	Product Wholesale Steel Manufacturing	-0.29 778.72	2145.78
	Logistics Facility	Metal Manufacturing	504.37	495.13
		Machinery Manufacturing	-71.42	978.92
		Rd. Freight Trans. Service	-18.66	28.86
		Water/Air Freight Trans. Service and Trans. Related. Service	-217.76	176.69
		Warehousing	208.16	70.63
		Material Wholesale	-149.34	77.16
		Product Wholesale	181.66	185.25
	Others	Rd. Freight Trans. Service	366.45	351.69
floor-emp	Office	Chemical Manufacturing	0.61	1.06
r		Steel Manufacturing	-0.02	0.00
		Metal Manufacturing	0.00	0.00
		Machinery Manufacturing	0.00	0.01
		Light Manufacturing	0.00	0.80
		Rd. Freight Trans. Service	-0.16	0.03
		Water/Air Freight Trans. Service and Trans. Related. Service	-17.65	2.62
		Material Wholesale	-0.04	0.03
		Product Wholesale	0.00	0.01
		Restaurant/Service	0.61	1.76
	Factory	Chemical Manufacturing	0.00	0.00
		Steel Manufacturing	0.00	0.00
		Metal Manufacturing	0.00	0.00
		Machinery Manufacturing	0.00	0.00
		Light Manufacturing	0.00	0.00
		Material Wholesale	0.00	0.01
		Product Wholesale	0.00	0.00
	D. 4. 1. 0. D. 44	Restaurant/Service	-0.43	0.26
	Retail & Restaurant	Material Wholesale Product Wholesale	0.38 0.06	0.24
	Logistics Facility	Steel Manufacturing	0.00	1.06 1.04
	Logistics Facility	Metal Manufacturing	-0.31	0.39
	$\mathcal{O}_{\mathcal{F}}$	Machinery Manufacturing	0.04	0.55
	X	Rd. Freight Trans. Service	-0.14	0.03
		Water/Air Freight Trans. Service and Trans. Related. Service	0.02	0.02
		Warehousing	0.00	0.01
		Material Wholesale	-0.01	0.01
		Product Wholesale	-0.07	0.07
	Others	Rd. Freight Trans. Service	-0.11	0.33
floor(m ²)	Office	Chemical Manufacturing	-3.10	13.62
		Steel Manufacturing	-1.11	0.47
		Metal Manufacturing	-0.70	1.02
		Machinery Manufacturing	-0.27	0.32
		Light Manufacturing	-0.39	9.64
		Rd. Freight Trans. Service	4.39	0.88

		Water/Air Freight Trans. Service and Trans. Related. Service	209.53	31.99
		Material Wholesale	0.27	0.59
		Product Wholesale	-1.22	1.51
		Restaurant/Service	-4.61	15.19
	Factory	Chemical Manufacturing	-1.00	0.61
	,	Steel Manufacturing	0.13	0.09
		Metal Manufacturing	0.21	0.05
		Machinery Manufacturing	0.15	0.03
		Light Manufacturing	0.06	0.36
		Material Wholesale	0.01	0.49
		Product Wholesale	-0.04	0.72
		Restaurant/Service	10.55	5.35
	Retail & Restaurant	Material Wholesale	-2.54	2.06
		Product Wholesale	-1.40	8.92
	Logistics Facility	Steel Manufacturing	1.65	5.62
		Metal Manufacturing	4.20	7.29
		Machinery Manufacturing	-0.38	3.85
		Rd. Freight Trans. Service	3.01	0.44
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.51	0.55
		Warehousing	-0.43	0.19
		Material Wholesale	1.40	0.44
		Product Wholesale	-0.52	1.21
	Others	Rd. Freight Trans. Service	-2.16	9.07
prod		1100		
(kg/day)	Office	Chemical Manufacturing	0.94	1.42
		Steel Manufacturing	0.04	0.02
		Metal Manufacturing	0.55	0.09
		Machinery Manufacturing	1.24	0.11
		Light Manufacturing	0.51	2.17
		Rd. Freight Trans. Service	0.03	0.01
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.01	0.01
		Material Wholesale	0.91	0.07
		Product Wholesale	0.48	0.12
	T	Restaurant/Service	1.34	2.93
	Factory	Chemical Manufacturing	0.63	0.10
		Steel Manufacturing	0.05	0.01
		Metal Manufacturing	0.50	0.02
	10.0	Machinery Manufacturing	0.26	0.02
		Light Manufacturing	0.00	0.00
	. 0 //	Material Wholesale	0.72	0.05
		Product Wholesale	0.93	0.30
	D. (. '1 0 D.)	Restaurant/Service	0.12	0.09
	Retail & Restaurant	Material Wholesale	0.62	0.08
	La sistina Espilita	Product Wholesale	0.99	0.13
	Logistics Facility	Steel Manufacturing	0.51	0.31
		Metal Manufacturing	1.17	0.51
		Machinery Manufacturing	0.98 0.17	0.60 0.03
		Rd. Freight Trans. Service		
		Water/Air Freight Trans. Service and Trans. Related. Service Warehousing	0.00	0.02
		Material Wholesale	-0.01 0.40	0.01 0.05
		Product Wholesale		
	Others		1.08 0.31	0.14
R^2	Onicis	Rd. Freight Trans. Service	0.31	0.15
R^2_{adj}			0.72	
			3168	
<u>n</u>			2100	

7 machinery, appliances, and mechanical parts

IV machiner	y, appliances, and mech	_	Coef.	SE
-	fnc Office	ind Chemical Manufacturing	-213.72	5552.26
const	Office	<u> </u>		
		Metal Manufacturing	-269.93	2389.70
		Machinery Manufacturing	97.24	300.31
		Light Manufacturing	-24.68	2198.52
		Rd. Freight Trans. Service	5436.97	887.73
		Water/Air Freight Trans. Service and Trans. Related. Service Material Wholesale	-12317.28 -418.39	17554.78 2628.99
		Product Wholesale	276.15	173.31
		Restaurant/Service	80.90	627.60
	Factory	Chemical Manufacturing	664.10	732.76
	ractory	Steel Manufacturing	590.99	1648.85
		Metal Manufacturing	821.37	497.19
		Machinery Manufacturing	868.24	159.37
		Light Manufacturing	631.18	1061.07
		Product Wholesale	-491.12	1196.18
		Restaurant/Service	-491.12	584.37
	Retail & Restaurant	Machinery Manufacturing	-3.39	37375.05
	Retail & Restaurant	Product Wholesale	42.86	1617.27
		Restaurant/Service	47.89	4156.04
	Logistics Facility	Machinery Manufacturing	945.98	1658.88
	Logistics Pacifity	Rd. Freight Trans. Service	7873.95	538.04
		Water/Air Freight Trans. Service and Trans. Related. Service	-1504.15	1432.19
		Warehousing	6474.65	931.77
		Material Wholesale	-560.48	9515.66
		Product Wholesale	858.35	404.86
		Restaurant/Service	-764.24	1523.89
	Others	Machinery Manufacturing	-71.64	1822.91
	Others	Water/Air Freight Trans. Service and Trans. Related. Service	5046.17	3567.85
		Restaurant/Service	133.83	6758.66
emp (no.)	Office	Chemical Manufacturing	41.66	952.76
cmp (no.)	Office	Metal Manufacturing	21.33	129.32
		Machinery Manufacturing	-2.32	5.14
		Light Manufacturing	0.82	256.26
		Rd. Freight Trans. Service	-24.25	23.73
	10.1	Water/Air Freight Trans. Service and Trans. Related. Service	821.85	1062.27
		Material Wholesale	0.54	181.62
	0 /,	Product Wholesale	-1.21	3.76
		Restaurant/Service	-0.31	18.82
	Factory	Chemical Manufacturing	10.82	14.96
	ÜX	Steel Manufacturing	63.00	79.05
	X	Metal Manufacturing	51.94	16.80
		Machinery Manufacturing	16.57	2.05
		Light Manufacturing	32.58	57.13
		Product Wholesale	27.62	79.13
		Restaurant/Service	117.91	38.10
	Retail & Restaurant	Machinery Manufacturing	-4.29	9813.11
		Product Wholesale	-6.91	160.46
		Restaurant/Service	-0.92	705.49
	Logistics Facility	Machinery Manufacturing	81.59	27.30
	-	Rd. Freight Trans. Service	-14.24	10.18
		Water/Air Freight Trans. Service and Trans. Related. Service	369.52	70.02
		Warehousing	-8.62	10.36

		Material Wholesale	180.68	1457.53
		Product Wholesale	7.37	13.50
		Restaurant/Service	-11.32	94.16
	Others	Machinery Manufacturing	-0.51	4.12
		Water/Air Freight Trans. Service and Trans. Related. Service	-275.26	258.89
		Restaurant/Service	-4.66	529.68
floor-emp	Office	Chemical Manufacturing	-0.17	7.11
-		Metal Manufacturing	-0.06	0.31
		Machinery Manufacturing	0.00	0.00
		Light Manufacturing	0.00	0.07
		Rd. Freight Trans. Service	-0.02	0.01
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.18	0.39
		Material Wholesale	-0.05	0.21
		Product Wholesale	0.00	0.00
		Restaurant/Service	0.00	0.01
	Factory	Chemical Manufacturing	0.00	0.00
	•	Steel Manufacturing	0.00	0.00
		Metal Manufacturing	0.00	0.00
		Machinery Manufacturing	0.00	0.00
		Light Manufacturing	0.00	0.00
		Product Wholesale	-0.01	0.03
		Restaurant/Service	-0.03	0.01
	Retail & Restaurant	Machinery Manufacturing	0.01	51.28
		Product Wholesale	-0.02	0.24
		Restaurant/Service	0.04	1.47
	Logistics Facility	Machinery Manufacturing	-0.01	0.00
		Rd. Freight Trans. Service	0.00	0.00
		Water/Air Freight Trans. Service and Trans. Related. Service	0.00	0.00
		Warehousing	0.00	0.00
		Material Wholesale	-0.03	1.36
		Product Wholesale	0.00	0.00
		Restaurant/Service	0.00	0.01
	Others	Machinery Manufacturing	0.00	0.00
		Water/Air Freight Trans. Service and Trans. Related. Service	0.05	0.05
		Restaurant/Service	0.00	0.10
floor(m ²)	Office	Chemical Manufacturing	1.04	25.67
		Metal Manufacturing	1.19	5.19
		Machinery Manufacturing	0.00	0.03
		Light Manufacturing	0.14	6.59
		Rd. Freight Trans. Service	2.05	0.78
		Water/Air Freight Trans. Service and Trans. Related. Service	2.74	4.68
		Material Wholesale	1.12	3.53
	~ () .	Product Wholesale	0.00	0.13
		Restaurant/Service	-0.15	0.65
	Factory	Chemical Manufacturing	0.18	0.12
		Steel Manufacturing	-0.17	0.73
		Metal Manufacturing	-0.68	0.26
		Machinery Manufacturing	0.02	0.01
		Light Manufacturing	-0.61	0.74
		Product Wholesale	0.19	0.65
	D.4.11.0 D	Restaurant/Service	2.14	0.45
	Retail & Restaurant	Machinery Manufacturing	0.20	144.69
		Product Wholesale	0.49	3.33
	Laminting For 112	Restaurant/Service	-0.41	14.82
	Logistics Facility	Machinery Manufacturing	0.65	0.37
		Rd. Freight Trans. Service	0.30	0.12

		Water/Air Freight Trans. Service and Trans. Related. Service	-0.02	0.16
		Warehousing	-0.09	0.15
		Material Wholesale	-2.90	9.71
		Product Wholesale	0.05	0.05
		Restaurant/Service	0.19	0.21
	Others	Machinery Manufacturing	0.06	0.85
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.55	0.53
		Restaurant/Service	-0.12	1.85
prod				
(kg/day)	Office	Chemical Manufacturing	0.65	9.18
		Metal Manufacturing	1.02	0.35
		Machinery Manufacturing	0.71	0.15
		Light Manufacturing	0.07	16.90
		Rd. Freight Trans. Service	0.01	0.01
		Water/Air Freight Trans. Service and Trans. Related. Service	0.17	0.28
		Material Wholesale	1.88	0.53
		Product Wholesale	0.75	0.07
		Restaurant/Service	0.93	0.25
	Factory	Chemical Manufacturing	0.30	0.12
	•	Steel Manufacturing	0.57	0.12
		Metal Manufacturing	0.52	0.05
		Machinery Manufacturing	0.02	0.00
		Light Manufacturing	0.62	0.11
		Product Wholesale	0.93	0.10
		Restaurant/Service	0.00	0.02
	Retail & Restaurant	Machinery Manufacturing	0.99	13.33
		Product Wholesale	1.00	0.30
		Restaurant/Service	1.00	1.99
	Logistics Facility	Machinery Manufacturing	0.09	0.05
		Rd. Freight Trans. Service	0.02	0.01
		Water/Air Freight Trans. Service and Trans. Related. Service	0.13	0.04
		Warehousing	0.29	0.05
		Material Wholesale	1.53	1.55
		Product Wholesale	0.55	0.06
		Restaurant/Service	0.91	0.11
	Others	Machinery Manufacturing	0.99	0.46
		Water/Air Freight Trans. Service and Trans. Related. Service	0.50	0.13
	_(Restaurant/Service	1.02	0.76
\mathbb{R}^2			0.53	
R^2_{adj}		▼	0.50	
n	Jak.		2381	

8 chemicals, rubber or plastics

IV fnc	ind	Coef.	SE
const Office	Chemical Manufacturing	821.45	1196.68
	Machinery Manufacturing	-44.54	8971.71
	Light Manufacturing	-27.55	10537.10
	Rd. Freight Trans. Service	1198.02	1770.42
	Water/Air Freight Trans. Service and Trans. Related. Service	164.79	23399.56
	Material Wholesale	1615.73	1056.69
	Product Wholesale	1050.49	1189.54
	Restaurant/Service	-440.39	3501.00
Factory	Chemical Manufacturing	2954.80	285.07
	Metal Manufacturing	-159.24	1938.17
	Machinery Manufacturing	632.19	780.56

		Light Manufacturing	402.65	775.27
		Material Wholesale	3869.58	1890.90
		Product Wholesale	-3320.11	36240.44
		Restaurant/Service	1221.93	4511.91
	Retail & Restaurant	Material Wholesale	1321.64	3565.54
		Product Wholesale	-3992.81	11377.28
	Logistics Facility	Chemical Manufacturing	2610.16	2563.89
	,	Rd. Freight Trans. Service	8599.58	1601.19
		Water/Air Freight Trans. Service and Trans. Related. Service	-221.97	6972.48
		Warehousing	9787.11	2082.75
		Material Wholesale	1355.46	989.80
		Product Wholesale	885.29	2562.39
		Restaurant/Service	922.32	16383.84
	Others	Chemical Manufacturing	-7.88	4660.99
emp (no.)	Office	Chemical Manufacturing	70.58	32.05
•		Machinery Manufacturing	1.34	673.83
		Light Manufacturing	2.42	753.77
		Rd. Freight Trans. Service	356.37	103.45
		Water/Air Freight Trans. Service and Trans. Related. Service	-8.01	722.74
		Material Wholesale	-65.12	95.93
		Product Wholesale	-57.38	56.78
		Restaurant/Service	55.78	99.65
	Factory	Chemical Manufacturing	13.72	2.97
		Metal Manufacturing	3.34	54.79
		Machinery Manufacturing	0.85	9.95
		Light Manufacturing	-23.87	24.36
		Material Wholesale	256.66	53.82
		Product Wholesale	709.17	6976.24
		Restaurant/Service	-225.94	157.81
	Retail & Restaurant	Material Wholesale	-141.17	554.23
		Product Wholesale	544.39	1615.51
	Logistics Facility	Chemical Manufacturing	-68.07	165.30
		Rd. Freight Trans. Service	81.57	83.36
		Water/Air Freight Trans. Service and Trans. Related. Service	95.57	296.11
		Warehousing	-110.58	144.28
		Material Wholesale	35.90	29.48
		Product Wholesale	5.70	212.52
		Restaurant/Service	176.79	853.00
	Others	Chemical Manufacturing	0.24	379.79
floor-emp	Office	Chemical Manufacturing	-0.01	0.00
	10/6	Machinery Manufacturing	-0.01	1.07
		Light Manufacturing	0.00	2.03
	×(),	Rd. Freight Trans. Service	-0.11	0.07
3		Water/Air Freight Trans. Service and Trans. Related. Service	0.02	3.07
(Material Wholesale	0.08	0.06
112)	Product Wholesale	0.07	0.07
	T	Restaurant/Service	-0.20	0.31
	Factory	Chemical Manufacturing	0.00	0.00
		Metal Manufacturing	0.00	0.02
		Machinery Manufacturing	0.00	0.00
		Light Manufacturing	0.00	0.00
		Material Wholesale	-0.03	0.02
		Product Wholesale	-2.88	25.55
	Datail 0- Danie	Restaurant/Service	-0.01	0.28
	Retail & Restaurant	Material Wholesale	0.12	1.68
		Product Wholesale	-0.76	5.54

	Logistics Facility	Chemical Manufacturing	0.01	0.01
	,	Rd. Freight Trans. Service	-0.03	0.02
		Water/Air Freight Trans. Service and Trans. Related. Service	0.09	0.15
		Warehousing	0.00	0.01
		Material Wholesale	-0.01	0.02
		Product Wholesale	-0.14	0.27
		Restaurant/Service	-3.90	5.12
	Others	Chemical Manufacturing	0.00	0.01
floor(m ²)	Office	Chemical Manufacturing	1.12	0.48
noor(m)	omee	Machinery Manufacturing	0.01	15.55
		Light Manufacturing	0.04	99.90
		Rd. Freight Trans. Service	0.94	1.35
		Water/Air Freight Trans. Service and Trans. Related. Service	0.04	245.75
		Material Wholesale	-0.65	0.72
		Product Wholesale	-0.93	2.05
		Restaurant/Service	4.25	3.60
	Factory	Chemical Manufacturing	0.36	0.04
	ractory	g .	0.30	1.90
		Metal Manufacturing Machinery Manufacturing	0.07	0.20
		,	0.21	0.20
		Light Manufacturing Material Wholesale		0.28
		Product Wholesale	1.71	
			13.09	127.03
	Data:1 0 Dantarrant	Restaurant/Service	1.92	12.11
	Retail & Restaurant	Material Wholesale	1.07	13.05
	T ! ! T2 !!!/	Product Wholesale	6.92	42.16
	Logistics Facility	Chemical Manufacturing	-0.84	0.46
		Rd. Freight Trans. Service	1.37	0.75
		Water/Air Freight Trans. Service and Trans. Related. Service	-0.62	3.22
		Warehousing	-0.23	0.34
		Material Wholesale	0.75	0.42
		Product Wholesale	0.94	1.95
		Restaurant/Service	73.69	111.29
prod	Others	Chemical Manufacturing	0.02	4.89
(kg/day)	Office	Chemical Manufacturing	0.00	0.01
		Machinery Manufacturing	3.10	10.92
		Light Manufacturing	1.05	15.89
	7	Rd. Freight Trans. Service	0.00	0.01
		Water/Air Freight Trans. Service and Trans. Related. Service	-185.21	28435.74
		Material Wholesale	0.36	0.11
	126	Product Wholesale	0.58	0.09
		Restaurant/Service	0.67	1.26
	Factory	Chemical Manufacturing	0.00	0.00
		Metal Manufacturing	0.96	0.48
		Machinery Manufacturing	0.00	0.03
11.0		Light Manufacturing	0.71	0.12
		Material Wholesale	0.03	0.03
		Product Wholesale	7.30	54.90
		Restaurant/Service	1.29	0.43
	Retail & Restaurant	Material Wholesale	0.06	0.21
		Product Wholesale	1.30	1.85
	Logistics Facility	Chemical Manufacturing	0.98	0.14
	-	Rd. Freight Trans. Service	0.02	0.01
		Water/Air Freight Trans. Service and Trans. Related. Service	0.26	0.20
		Warehousing	-0.01	0.01
		Material Wholesale	0.46	0.08

		Product Wholesale	0.74	0.24
		Restaurant/Service	-0.67	2.10
	Others	Chemical Manufacturing	0.48	3.53
\mathbb{R}^2		-	0.53	,
R^2_{adj}			0.49	
n			1437	

9 mixed goods

IV	fnc	ind	Coef.	SE
const	Office	Machinery Manufacturing	0.00	6433.01
		Light Manufacturing	14.64	16045.23
		Rd. Freight Trans. Service	-669.76	8421.17
		Water/Air Freight Trans. Service and Trans. Related. Service	0.00	8136.65
		Material Wholesale	1094.91	9872.38
		Product Wholesale	-499.64	2018.75
		Restaurant/Service	10.70	2597.38
	Factory	Chemical Manufacturing	333.84	3306.93
		Machinery Manufacturing	-77.14	3747.52
		Light Manufacturing	26.81	1856.12
	Logistics Facility	Rd. Freight Trans. Service	3050.75	565.82
emp (no.)	Office	Machinery Manufacturing	0.00	689.56
		Light Manufacturing	2.26	1241.28
		Rd. Freight Trans. Service	32.28	525.40
		Water/Air Freight Trans. Service and Trans. Related. Service	0.00	123.25
		Material Wholesale	-5.04	77.79
		Product Wholesale	-15.39	135.48
		Restaurant/Service	-0.15	95.08
	Factory	Chemical Manufacturing	0.25	163.17
	Factory	Machinery Manufacturing	5.02	119.15
	Factory	Light Manufacturing	33.72	134.68
	Logistics Facility	Rd. Freight Trans. Service	7.64	6.56
floor-emp	Office	Machinery Manufacturing	0.00	0.04
-		Light Manufacturing	0.00	0.31
		Rd. Freight Trans. Service	-0.40	2.57
		Water/Air Freight Trans. Service and Trans. Related. Service	0.00	0.01
		Material Wholesale	0.04	0.48
		Product Wholesale	-0.20	0.26
		Restaurant/Service	0.00	0.01
	Factory	Chemical Manufacturing	0.02	0.07
	(0)	Machinery Manufacturing	0.00	0.08
	M_{\odot}	Light Manufacturing	0.00	0.02
	Logistics Facility	Rd. Freight Trans. Service	0.00	0.00
floor(m ²)	Office	Machinery Manufacturing	0.00	19.32
` /	X	Light Manufacturing	-0.02	14.22
		Rd. Freight Trans. Service	4.84	34.23
	\mathcal{O}	Water/Air Freight Trans. Service and Trans. Related. Service	0.00	0.20
		Material Wholesale	-3.72	47.96
_		Product Wholesale	6.65	7.54
		Restaurant/Service	0.00	2.84
	Factory	Chemical Manufacturing	-0.63	3.27
	~J	Machinery Manufacturing	0.08	3.39
		Light Manufacturing	-0.67	3.28
	Logistics Facility	Rd. Freight Trans. Service	-0.16	0.18
prod			0.10	0.10
(kg/day)	Office	Machinery Manufacturing	1.00	43.80

Factory Logistics Facility	Light Manufacturing Rd. Freight Trans. Service Water/Air Freight Trans. Service and Trans. Related. Service Material Wholesale Product Wholesale Restaurant/Service Chemical Manufacturing Machinery Manufacturing Light Manufacturing Rd. Freight Trans. Service	1.04	081.15 0.30 283.14 11.43 0.31 0.48 1.23 8.80 0.43 0.04
$\frac{R^2}{R^2}$ R^2_{adj}	Rd. Preight Halls. Service	0.84 0.80	0.04
	Alided to the plain of the	244	
	48		

1.2. Supplier Selection Module (SSM)

Table Contract-based demand (a binary choice model: one contract or more than one [base])

IV	com	fnc	coef		se
const	agricultural products	Office		-0.096	0.812
		Factory		-0.509	0.481
		Retail & Restaurant		-0.005	0.574
		Logistics Facility		-1.803	0.615
		Others		17.032	2051.521
	food products	Office		0.351	0.326
	•	Factory		-1.107	0.227
		Retail & Restaurant		1.655	0.511
		Logistics Facility		-1.081	0.304
		Others		-0.442	1.907
	light manufacturing	Office		-0.652	0.254
	<i>6</i>	Factory	6 X /)	-1.284	0.170
		Retail & Restaurant	X C	1.643	0.678
		Logistics Facility	\bigcirc	-1.319	0.345
		Others		-1.388	1.351
	wood and paper products	Office		-0.106	0.264
	wood and paper products	Factory		-1.431	0.281
		Retail & Restaurant		-18.566	4578.927
		Logistics Facility		-1.155	0.458
		Others		-32.117	4899.128
	minerals, ore, stone, cement, ceramics or glass	Office		-1.189	0.447
	innerals, ore, stone, certaines or glass	Factory		-1.568	0.299
		Retail & Restaurant		-18.566	6732.993
		Logistics Facility		-1.913	0.711
	. \	Others		-18.566	4618.677
	metals or articles of metal	Office		-1.316	0.320
	metals of articles of metal	Factory		-1.378	0.125
	O_{X} ,	Retail & Restaurant		-229.341	6203.810
	7	Logistics Facility		-0.684	0.386
	100	Others		-422.032	28716.469
	machinery, appliances, and mechanical parts	Office		-0.664	0.212
	macimicity, appirances, and mechanical parts	Factory		-1.192	0.122
		Retail & Restaurant		-0.279	0.497
		Logistics Facility		-0.361	0.354
		Others		-0.528	1.120
	chemicals, rubber or plastics	Office		-1.848	0.436
	chemicals, rabber of plastics	Factory		-1.625	0.300
		Retail & Restaurant		-18.566	6667.000
	$\times O$	Logistics Facility		-1.190	0.378
	X V	Others		-0.243	1.681
	mixed goods and parcel	Office		-0.660	1.434
-	mixed goods and pareer	Factory		-18.566	6522.639
		Retail & Restaurant		18.566	6522.639
		Logistics Facility		2.199	0.606
		Others		-18.566	6522.639
cons		Guicis		-10.500	0322.033
(ton/yr)	agricultural products	Office		-0.0002	0.0002
(ton/yr)	abiteututai producis	Factory		-0.0002	0.0002
		Retail & Restaurant		0.0002	0.0001
		Logistics Facility		0.0000	0.0003
		Others		-0.0054	0.4420
		Guicis		-0.0034	0.4420

	food products	Office	-0.0001	0.0001
		Factory	-0.0002	0.0001
		Retail & Restaurant	-0.0003	0.0008
		Logistics Facility	0.0000	0.0000
		Others	0.0005	0.0009
	light manufacturing	Office	0.0000	0.0000
		Factory	0.0000	0.0000
		Retail & Restaurant	-0.0085	0.0054
		Logistics Facility	0.0000	0.0000
		Others	0.0000	0.0002
	wood and paper products	Office	-0.0004	0.0003
		Factory	-0.0001	0.0001
		Retail & Restaurant	0.0000	8.2696
		Logistics Facility	0.0000	0.0001
		Others	0.0819	13.6991
	minerals, ore, stone, cement, ceramics or glass	Office	0.0000	0.0000
		Factory	0.0000	0.0000
		Retail & Restaurant	0.0000	0.7496
		Logistics Facility	0.0000	0.0000
		Others	0.0000	1.7429
	metals or articles of metal	Office	0.0000	0.0000
		Factory	0.0000	0.0000
		Retail & Restaurant	0.0441	1.1934
		Logistics Facility	0.0000	0.0000
		Others	0.2044	13.9273
	machinery, appliances, and mechanical parts	Office	-0.0001	0.0002
		Factory	-0.0001	0.0001
		Retail & Restaurant	0.0002	0.0002
		Logistics Facility	-0.0001	0.0000
	XX	Others	-0.0004	0.0006
	chemicals, rubber or plastics	Office	0.0000	0.0001
	() x ,	Factory	-0.0001	0.0001
		Retail & Restaurant	0.0000	4.4007
		Logistics Facility	0.0000	0.0000
		Others	-0.0006	0.0016
	mixed goods and parcel	Office	-0.0693	0.1158
		Logistics Facility	-0.0001	0.0001
LO			-2001	
LL			-1401	
ρ^2	0 //		0.300	
$\bar{\rho}^2$	MC		0.256	
n	27		2887	

Table Mean and standard deviation of the logit of CS₁

Table Mean and	standard deviation of th	Mean of the logit	SD of the logit
com	fnc	of CS_1	of CS_1
agricultural products	Office	-1.639	0.988
agnesia products	Factory	-0.794	1.100
	Retail & Restaurant	-0.708	0.796
	Logistics Facility	-0.354	2.250
	Others	-1.656	0.027
food products	Office	-0.923	1.272
•	Factory	-0.502	1.309
	Retail & Restaurant	-0.090	2.346
	Logistics Facility	-1.212	1.057
	Others	0.773	0.001
light manufacturing	Office	-0.791	1.311
	Factory	-0.677	1.319
	Retail & Restaurant	-1.202	0.986
	Logistics Facility	-1.048	1.253
	Others	-1.438	0.842
wood and paper products	Office	-1.360	0.940
	Factory	-0.606	1.208
	Retail & Restaurant	-0.950	0.713
	Logistics Facility	-0.628	1.287
	Others	-0.810	2.145
minerals, ore, stone, cement, ceramics or glass	Office	-0.830	1.337
	Factory	-0.801	1.027
	Retail & Restaurant	-0.205	0.810
	Logistics Facility	-0.561	1.510
	Others	0.438	1.796
metals or articles of metal	Office	-0.787	1.211
	Factory	-0.489	1.226
	Retail & Restaurant	-0.859	1.064
/ //	Logistics Facility	-0.467	1.366
	Others	0.318	1.430
machinery, appliances, and mechanical parts	Office	-0.641	1.452
	Factory	-0.655	1.261
	Retail & Restaurant	-0.941	1.228
	Logistics Facility	-0.804	1.360
	Others	0.109	2.047
chemicals, rubber or plastics	Office	-0.710	1.318
	Factory	-0.402	1.351
	Retail & Restaurant	-0.352	0.498
. ~ ~	Logistics Facility	-0.314	1.254
	Others	0.149	2.351
mixed goods and parcel	Office	-1.222	1.356
100	Factory	-2.197	0.001
	Logistics Facility	-0.413	1.322
	Others	0.000	0.001

Table Supplier selection model (error component logit mixture models)

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	-3.50 (-161.6)
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	-3.50 (-161.6)
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	-3.50 (-161.6)
Explanatory variable	-3.50 (-161.6)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(-161.6)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(-161.6)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2.61
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(-82.9)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2.43
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(-60.7)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.427
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(87.2)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0.001
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	(0.1)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0.584
Const $_{sfnc = logistics facility}$ 4.66 24.6 1.57 -4.37 -5.33 -9.41 1.19 3.65 -2.27 -1.46 3.63	(51.6)
	-7.06
(39.7) (51.4) (2.3) (-4.9) (-37.1) (-38.2) (2.5) (10.9) (-19.6) (-6.2) (20.5)	(-30.6)
Const $_{sfnc} = _{factory}$ -0.042 6.00 1.75 25.8 -6.05 -8.49 9.83 0.543 -1.35 -1.45 0.137	-27.4
(-0.3) (14.2) (2.3) (31.3) (-34.9) (22.3) (1.3) (-11.3) (-5.9) (0.9)	(-30.1)
$ln \ cd_size \ sfnc = logistics \ facility \qquad -0.039 \qquad -1.19 \qquad 0.168 \qquad 0.056 \qquad \qquad 1.57 \qquad 0.600 \qquad -0.126 \qquad -1.51 \qquad \qquad 0.769 \qquad 0.374 \qquad 0.218$	1.050
(-4.2) (-27.4) (4.6) (0.5) (64.7) (26.4) (-4.7) (-26.4) (52.5) (15.3) (17.0)	(47.4)
$ ln \ cd_size \ sfnc = facory \\ 0.297 -0.352 -0.079 -1.78 \\ 0.507 0.329 -0.619 0.642 \\ 0.642 0.679 0.265 0.283 $	3.670
(19) (-16.4) (-2) (-14) (17.5) (13.6) (-20.3) (8.3) (45.5) (10.1) (22.9)	(25.1)
Covariance parameter	
σ^{or} 0.923 0.000 0.453 0.000 3.95 2.69 1.32 4.37 2.15 2.46 0.831	0.003
(13.7) (0.0) (0.7) (0.0) (54.2) (19.1) (5.7) (22.7) (35.4) (11.2) (5.5)	(0.0)
σ^{lf} 0.000 1.77 0.056 0.001 0.829 0.000 0.051 3.39 1.46 1.13 0.911	0.009
(0.0) (12.1) (0.0) (0.0) (18.0) (0.0) (0.3) (23.3) (28.2) (7.1) (9.4)	(0.1)
σ^{dws} 2.390 0.037 0.000 0.000 3.52 1.32 1.17 1.31 1.07 0.0713 0.006	6.03
$(35.5) \qquad (0.1) \qquad (0.0) \qquad (0.0) \qquad (53.8) \qquad (13.7) \qquad (7.5) \qquad (6.9) \qquad (14.9) \qquad (0.1) \qquad (0.0)$	(22.3)
L(0) -186139 -136771 -8620 -6792 -508188 -145328 -48978 -72655 -252033 -60798 -99516	-102539
$L(\hat{\beta})$ -117201 -64546 -5995 -3534 -302334 -107906 -32249 -49094 -171708 -47122 -64836	
ρ^2 0.370 0.528 0.305 0.480 0.405 0.258 0.342 0.324 0.319 0.225 0.348	-35750
$\bar{\rho}^2$ 0.370 0.528 0.303 0.478 0.405 0.257 0.341 0.324 0.319 0.225 0.348	-35750
N. 6277 4358 494 522 28779 10294 4028 4890 14172 3701 6230	

	Wood and pape	er products			Minerals, ore, st	, ceramics or glass	Metals or articles of metal				
	rfnc				rfnc			rfnc			
	office/retail/	logistics			office/retail/	logistics		office/retail/	logistics		
	restaurant	facility	factory	other	restaurant	facility	factory	restaurant	facility	factory	other
Explanatory variable											
$ln\ time\ sfnc = office/retail$	-2.28	-2.14	-2.10	-1.18	-1.19	-1.57	-1.91	-2.50	-1.46	-2.58	-1.06
	(-100.8)	(-48.3)	(-45.5)	(-63.0)	(-22.2)	(-20.2)	(-40.9)	(-59.0)	(-21.9)	(-90.2)	(-4.2)
In time sfnc = logistics facility	-2.41	-2.23	-2.20	-1.58	-1.40	-2.36	-2.22	-1.83	-1.59	-1.61	-2.30
	(-121.2)	(-81.0)	(-48.8)	(-26.6)	(-21.4)	(-34.0)	(-37.1)	(-43.7)	(-40.1)	(-88.1)	(-5.4)
In time sfnc = factory	-1.45	-1.05	-1.25	-1.80	-1.58	-1.08	-1.31	-1.03	-0.665	-1.37	-2.10
	(-70.6)	(-34.2)	(-73.8)	(-38.9)	(-28.8)	(-27.6)	(-52.3)	(-26.7)	(-25.4)	(-155.4)	(-28.7)
$ln \ prod \ sfnc = office/retail$	0.265	0.675	0.296	0.106	0.375	0.263	20 -	0.335	0.536	0.304	_
	(46.8)	(37.9)	(28.6)	(24.4)	(22)	(13.8)	-	(33.7)	(29.3)	(50.8)	-
In prod sfnc = logistics facility	0.215	0.308	0.089	-	0.159	0.211	0.448	0.049	0.263	0.176	-
	(41.3)	(36.4)	(8.1)	-	(8.8)	(11.0)	(16.6)	(6.1)	(23.8)	(28.5)	-
In prod sfnc = factory	0.541	0.525	0.454	0.019	0.077	0.212	0.206	0.092	0.353	0.292	-
	(79.4)	(44.2)	(73.4)	(1.8)	(6.3)	(18.2)	(28.5)	(10.5)	(45.6)	(106.5)	-
Const sfnc = logistics facility	-0.478	2.33	-0.726	-4.76	7.33	6.11	-4.31	-1.59	5.72	-5.84	30.5
•	(-2.7)	(7.0)	(-1.7)	(-7.6)	(9.7)	(9.6)	(-8.6)	(-3.8)	(11.2)	(-27.5)	(4.4)
Const sfnc = factory	-6.05	-9.64	-10.0	-2.06	-3.32	-6.59	-7.39	-19.0	-2.52	-6.95	134
•	(-25.2)	(-14.6)	(-20.8)	(-4.8)	(-1.3)	(-9.7)	(-18.8)	(-10)	(-5.3)	(-39.8)	(1.1)
In cd_size sfnc = logistics facility	0.597	0.459	0.526	2.03	-0.487	0.194	0.310	-0.135	0.303	0.464	-3.68
	(43.6)	(15.5)	(12.6)	(15.9)	(-7.8)	(4.3)	(15.8)	(-4.2)	(5.8)	(29.6)	(-3.9)
In cd_size sfnc = facory	-2.02	0.208	1.31	1.66	0.868	0.586	0.339	-2.34	0.300	0.187	-15.3
_ ,	(-8.7)	(3.6)	(17.2)	(14.2)	(3.5)	(9.5)	(15.0)	(-7.3)	(5.9)	(12.9)	(-1)
Covariance parameter	` ,	, ,	, ,		` ′	, ,	` ′	` ,	` ,	, ,	` ´
σ^{or}	0.000	1.82	2.85	2.55	0.008	1.27	0.081	6.41	4.15	3.18	0.587
	(0.0)	(11.1)	(17.0)	(10.4)	(0.0)	(1.8)	(0.1)	(12.1)	(8.8)	(30.3)	(0.6)
σ^{lf}	0.000	0.215	2.40	0.000	1.46	0.000	0.004	7.09	2.21	0.000	1.12
	(0.0)	(0.3)	(11.8)	(0.0)	(4.0)	(0.0)	(0.0)	(10.4)	(11.9)	(0.0)	(0.7)
σ^{dws}	13.1	6.86	5.31	0.000	4.68	2.73	1.58	24.3	0.000	0.000	47.9
ŭ	(10.3)	(9.8)	(17.5)	(0.0)	(3.9)	(7.4)	(6.5)	(7.0)	(0.0)	(0.0)	(0.9)
L(0)	-105370	-38928	-45172	-32676	-8320	-10910	-19256	-28141	-27230	-142554	-2443
L (β)	-70078	-25451	-32203	-23323	-6455	-7924	-14462	-19513	-20309	-108038	-1830
0 ²	0.335	0.346	0.287	0.286	0.224	0.274	0.249	0.307	0.254	0.242	0.251
P □2	0.335	0.346	0.287	0.286	0.223	0.273	0.248	0.306	0.254	0.242	0.231
$ \rho^2 $ $ \bar{\rho}^2 $ N.	5297	2087	2832	1056	590	781	1508	1809	1960	9871	135

	Machinery, app	oliances, and	mechanical	parts	Chemicals, rubber or plastics				Mixed goods and parcel			
	rfnc				rfnc				rfnc			
	office/retail/	logistics			office/retail/	logistics			office/retail/	logistics		
	restaurant	facility	factory	other	restaurant	facility	factory	other	restaurant	facility	factory	
Explanatory variable												
In time sfnc = office/retail	-1.67	-1.04	-1.88	-2.33	-1.71	-1.50	-2.36	-2.21	-1.76	-3.10	-5.80	
	(-90.7)	(-45.6)	(-85.7)	(-87.0)	(-58.1)	(-54.2)	(-96.1)	(-52.7)	(-23.4)	(-15.8)	(-21.4)	
In time sfnc = logistics facility	-2.44	-0.969	-1.67	-2.17	-1.47	-1.97	-2.24	-3.36	-3.05	-2.40	-5.52	
	(-104.3)	(-39.1)	(-81.1)	(-66.4)	(-45.3)	(-70.6)	(-88.6)	(-20.4)	(-55.2)	(-91.8)	(-48.1)	
In time sfnc = factory	-1.30	-1.00	-1.48	-0.742	-0.801	-0.857	-1.08	-3.02	-3.45	-2.11	-4.66	
•	(-45.8)	(-43.1)	(-143.6)	(-6.5)	(-23.1)	(-38.3)	(-76.3)	(-43.1)	(-5.3)	(-7.2)	(-14.2)	
In prod sfnc = office/retail	0.273	0.379	0.238	0.200	-	0.034	0.233	0.276	0.028	0.363	0.453	
•	(50.7)	(52.8)	(48.4)	(28.2)	_	(3.8)	(32.8)	(21.3)	(1.8)	(12.5)	(9.3)	
In prod sfnc = logistics facility	0.240	0.162	0.315	-	0.137	0.097	0.285	0.104	0.409	0.550	0.801	
•	(43.7)	(22.5)	(52.7)	_	(14.3)	(14.9)	(37.6)	(3.1)	(18.8)	(49.2)	(25.1)	
In prod sfnc = factory	0.092	0.327	0.170	_	0.533		0.274	0.519	-	-	0.333	
T and and a	(14.7)	(46.9)	(61.6)	_	(48.4)	(41.5)	(69.4)	(28.9)	_	_	(3.9)	
Const sfnc = logistics facility	5.10	0.079	-2.81	0.792	-4.65	3.08	-4.20	1.24	0.391	-7.30	-3.05	
	(30.9)	(0.3)	(-14.3)	(3.0)	(-11.0)	(12.3)	(-15.4)	(1.3)	(0.7)	(-6.8)	(-2.0)	
Const sfnc = factory	-8.06	-1.04	-2.45	-65.9	-15.1	-8.53	-11.7	-0.932	4.24	-5.24	-3.69	
- Lettery	(-12.7)	(-4.6)	(-14.9)	(-1.6)	(-29.1)	(-26.6)	(-47.0)	(-1.8)	(1.3)	(-2.2)	(-1.4)	
In cd_size sfnc = logistics facility	0.327	0.280	0.953	-0.054	0.312	0.244	1.29	0.993	1.54	0.735	-0.44	
in ed_size sinc = logistics facility	(25.7)	(24.4)	(24.3)	(-3.7)	(8.8)	(12.2)	(25.4)	(8.0)	(21.4)	(7.9)	(-4.7)	
ln cd_size sfnc = facory	0.081	0.073	0.864	1.19	0.493	0.510	1.22	0.571	1.09	0.461	-0.567	
in ed_size sinc = factory	(2)	(5.8)	(22.2)	(1.2)	(10.7)	(17.0)	(24.3)	(7.9)	(4.3)	(3.1)	(-3.9)	
Covariance parameter	(2)	(3.0)	(22.2)	(1.2)	(10.7)	(17.0)	(21.3)	(7.2)	(1.5)	(3.1)	(3.7)	
σ^{or}	0.447	0.000	4.45	0.000	0.000	0.720	6.28	3.26	0.000	2.64	1.99	
	(2.5)	(0.0)	(22.6)	(0.0)	(0.0)	(2.7)	(26.6)	(11.5)	(0.0)	(5.1)	(7.1)	
σ^{lf}	0.106	0.017	0.518	0.061	2.56	0.018	0.293	2.60	0.000	0.000	0.000	
0 7	(0.4)	(0.1)	(4.6)	(0.1)	(7.5)	(0.1)	(0.5)	(5.4)	(0.0)	(0.0)	(0.0)	
σ^{dws}	6.870	1.230	0.910	29.0	2.69	1.31	2.37	0.000	2.210	0.000	0.000	
0						(7.2)	(16.4)					
	(12.9)	(7.5)	(9.1)	(1.3)	(8.1)	(7.2)	(10.4)	(0.0)	(2.0)	(0.0)	(0.0)	
L (0)	-77391	-37533	-128925	-30123	-32445	-43800	-102465	-13686	-7657	-18932	-11997	
L (β)	-47407	-30103	-98303	-16267	-25399	-32683	-78467	-8370	-3736	-8940	-1792	
ω(<i>p</i>)	0.387	0.198	0.238			0.254	0.234	0.388				
$\frac{\rho^2}{\overline{\rho}^2}$				0.460	0.217				0.512	0.528	0.851	
ρ-	0.387	0.198	0.237	0.460	0.217	0.254	0.234	0.387	0.510	0.527	0.850	
N.	4064	2812	9246	888	2340	3163	7753	1028	602	1471	726	

1.3. Size & Frequency Module (SFM)

Table Shipment size model (linear regression models; dependent variable: kg)

Table Shipment size model (finear regression models; dependent variable: kg)												
		Const.		In c_size	(ton/yr)	ln dist (k	m)	ln est_de				
0	G	G 6	a.e.	G 6	a.	G 6	ar.	(no./km ²		D 2	5 2	
rfnc	Commodity	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	R ²	R ² _adj	n
Office	agricultural products	4.162	0.804	0.509	0.047	0.762	0.139	-0.532	0.110	0.753	0.746	101
Office	food products	3.515	0.715	0.836	0.042			-0.380	0.102	0.766	0.763	176
Office	light manufacturing	4.232	0.271	0.572	0.017		$\mathcal{M} \hookrightarrow$	-0.285	0.044	0.684	0.683	587
Office	wood and paper products	2.038	0.417	0.924	0.029	0.166	0.059	-0.169	0.051	0.746	0.744	341
Office	minerals, ore, stone, cement, ceramics or glass	3.095	0.904	0.558	0.048	0.358	0.157	-0.154	0.119	0.586	0.576	124
Office	metals or articles of metal	3.659	0.444	0.747	0.027	0.001	0.066	-0.270	0.056	0.760	0.758	369
Office	machinery, appliances, and mechanical parts	3.200	0.452	0.598	0.026	0.151	0.062	-0.300	0.059	0.625	0.623	519
Office	chemicals, rubber or plastics	1.519	0.293	0.769	0.033	0.223	0.078			0.622	0.619	342
Factory	agricultural products	0.900	0.138	0.597	0.015	0.591	0.046			0.733	0.733	849
Factory	food products	2.612	0.217	0.519	0.018	0.220	0.061			0.474	0.473	1003
Factory	light manufacturing	1.654	0.178	0.586	0.012	0.330	0.026	-0.028	0.024	0.527	0.526	2744
Factory	wood and paper products	2.779	0.568	0.542	0.033	0.273	0.092	-0.110	0.080	0.489	0.484	347
Factory	minerals, ore, stone, cement, ceramics or glass	4.188	0.301	0.535	0.018	0.134	0.052	-0.095	0.041	0.606	0.604	611
Factory	metals or articles of metal	2.953	0.167	0.612	0.010	0.191	0.027	-0.133	0.024	0.540	0.539	3616
Factory	machinery, appliances, and mechanical parts	3.689	0.249	0.566	0.012	0.260	0.035	-0.347	0.038	0.574	0.574	2193
Factory	chemicals, rubber or plastics	2.768	0.296	0.539	0.018	0.286	0.052	-0.127	0.042	0.426	0.424	1595
Retail & Restaurant	agricultural products	1.447	0.895	0.811	0.066	0.281	0.157	-0.101	0.118	0.780	0.771	78
Retail & Restaurant	food products	1.581	0.310	0.857	0.034			-0.012	0.055	0.809	0.807	160
Retail & Restaurant	light manufacturing	1.283	0.105	0.772	0.058					0.627	0.623	107
Retail & Restaurant	Others	4.151	0.695	0.570	0.047			-0.300	0.116	0.479	0.474	197
Logistics Facility	agricultural products	1.677	0.370	0.444	0.047	0.634	0.078			0.263	0.260	427
Logistics Facility	food products	2.685	0.209	0.537	0.022	0.199	0.043			0.277	0.276	1581
Logistics Facility	light manufacturing	1.985	0.196	0.634	0.021	0.330	0.049			0.457	0.456	1102
Logistics Facility	wood and paper products	4.388	0.281	0.327	0.029	0.039	0.078			0.256	0.251	364
Logistics Facility	minerals, ore, stone, cement, ceramics or glass	1.945	0.408	0.589	0.051	0.489	0.106			0.722	0.715	83
Logistics Facility	metals or articles of metal	0.952	0.275	0.866	0.037	0.205	0.070			0.665	0.663	318
Logistics Facility	machinery, appliances, and mechanical parts	2.847	0.156	0.670	0.032	000				0.522	0.521	414
Logistics Facility	chemicals, rubber or plastics	4.041	0.413	0.520	0.038	0.059	0.095			0.444	0.439	239
Others	All	2.137	0.245	0.543	0.023	0.381	0.082			0.695	0.693	324
All	mixed goods and parcel	2.716	0.556	0.499	0.032	0.001	0.002	0.046	0.087	0.716	0.710	100

1.4. Overnight Parking Choice for Goods Vehicle

Table	Overnight i	narkino	choice	model i	(multino	mial	logit	model)
rabic	Overment	Jaiking	CHOICE	mouci	(IIIuIuIIO	шш	10gii	mouci

		gnt parking choice model (mu			
	V	ariable	Coef.	SE	
	dum private-open		0.306	0.161	
	dum private-closed		2.50	0.232	
	dum public-type 2		0.455	0.211	
	dum manufacturing industry		0.364	0.153	
	dum transportation industry		-0.599	0.106	10
	ln dist (km)		-1.36	0.0272	. 6/1
	In price (SGD)		-2.37	0.459	
	ln w (tonnes)		-0.546	0.0604	
	ln age (years)		0.0268	0.00949	3
	ln cap (no.) ρ ²		1		
			0.184	X	
	n.		3830		
		rine philips	Silon C		
NO.	oe include				

2. Mid-Term Model

2.1. Shipping Requirement Definition

The alternative specific constants and the coefficients were adjusted to achieve reasonable distributions as the simulation result.

Table Assumed coefficients for shipment requirement definition (multinomial logit model)

Variable	Coef.
FTL (Base)	
LTL	
const	16.00
ss (kg)	-0.01
Parcel	
const	18.00
ss (kg)	-0.05

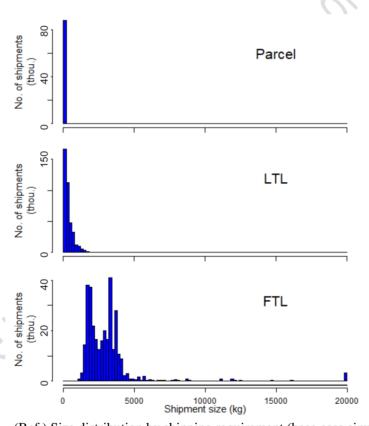


Figure (Ref.) Size distribution by shipping requirement (base case simulation)

2.2. Delivery Time Definition

The probability distributions defined by commodity type were used for prediction. The initial probability distributions were generated based on the empirical data and adjusted based on the match between the simulated and observed hourly screen line counts

Table Pro	bability distr	ributions for	deliverv	time win	dow
-----------	----------------	---------------	----------	----------	-----

	Table	Proba	omity distri	outions for o	denvery tim	ie window				
Time window						All				
	5h-7h	7h-10h	10h-13h	13h-16h	16h-19h	19h-22h	7h-13h	13h-19h	7h-19h	
Commodity type						V_{O} .	(morning)	(afternoon)	(day-time)	
Agricultural products	11.8%	18.3%	7.1%	8.3%	10.6%	4.2%	9.7%	4.8%	25.2%	100.0%
Food products	5.0%	17.4%	7.4%	12.4%	14.9%	2.8%	7.3%	7.7%	25.2%	100.0%
Household/light manufacturing	3.6%	16.8%	7.9%	12.3%	17.1%	2.2%	7.1%	8.0%	25.1%	100.0%
Wood and paper products	3.4%	19.9%	6.8%	13.5%	16.3%	0.3%	7.3%	7.9%	24.5%	100.0%
Minerals, ore, stone, cement, ceramics or glass	3.6%	18.3%	5.9%	10.1%	17.8%	4.0%	6.1%	8.9%	25.4%	100.0%
Metals or articles of metal	3.6%	22.0%	6.7%	10.6%	14.5%	2.4%	8.1%	7.2%	24.8%	100.0%
Machinery, appliances, and mechanical parts	3.8%	19.7%	6.8%	11.4%	16.0%	2.5%	7.3%	7.6%	24.8%	100.0%
Chemicals, rubber or plastics	4.9%	20.5%	7.1%	12.5%	13.5%	1.5%	8.1%	7.0%	24.9%	100.0%
Mixed goods and parcel	3.8%	17.2%	8.0%	12.0%	17.2%	2.3%	6.9%	7.4%	25.3%	100.0%

2.3. Carrier Selection

The coefficients were adjusted to achieve reasonable distributions of the distances between shippers and carriers as the simulation result.

Table Assumed coefficients for carrier selection (multinomial logit model)

Variable	Coef.	
Parcel carriers		
ln dist (km)		-3.0
Non-parcel carriers		
ln dist (km)		-1.0

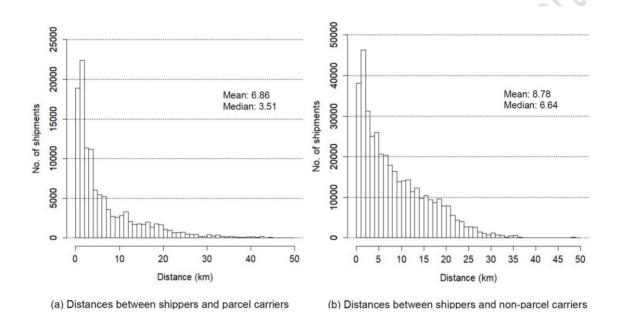


Figure (Ref.) Distances between shippers and carriers (base case simulation)

2.4. Within-day Goods Vehicle Operations

Table Route choice model (multinomial logit model)

Variable	Co	oef.	SE
TT (seconds)		-0.00360	-0.181
cost (SGD)		-0.167	-2.492
hwy_ratio		1.349	9.764
shortest_TT		0.578	1.843
shortest_dist		0.325	3.725
most_hwy		0.122	0.429
$TT \times inhouse$		-0.000938	-0.0129
$cost \times inhouse$		-0.00279	-0.0469
hwy_ratio × LGV		-0.842	-3.502
ln PS		1.0	0
L(0)	-2,222.10		JAI.
L (β)	-1,247.95		(// //
ρ^2	0.44		1 0.
$\frac{\rho^2}{\overline{\rho}^2}$	0.43		
n.	1,021	•	

Table Pickup/delivery parking choice model

	Coef.		SE
Loading Bay (LB)-specific attributes			
cost (SGD)		-1.010	0.17
queue/cap		-10.60	3.77
delta		-3.850	2.080
vol/worker		0.602	0.190
Public Carpark (PC)-specific attributes			
const		-4.750	0.677
cost (SGD)		-0.965	0.360
Illegal parking (IP)-specific attributes			
const		-4.880	0.768
cost (SGD)		-1.410	0.292
$cost \times dum^{HGV}$		0.774	0.230
dum ^{workers>1}		1.350	0.267
LO	-613.08		
LL	-300.68		
Rho	0.510		
Rho adj	0.492		
n	740		