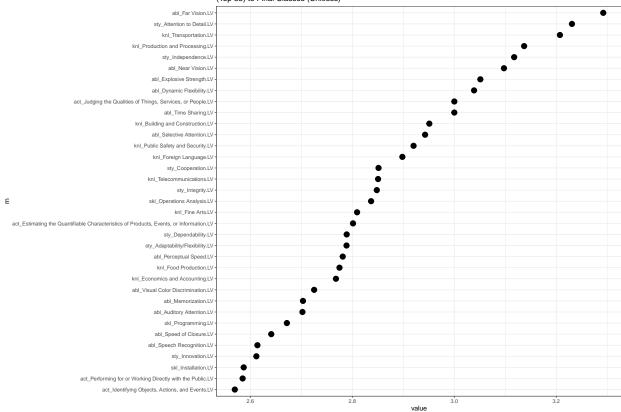
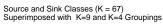
analysis_viii

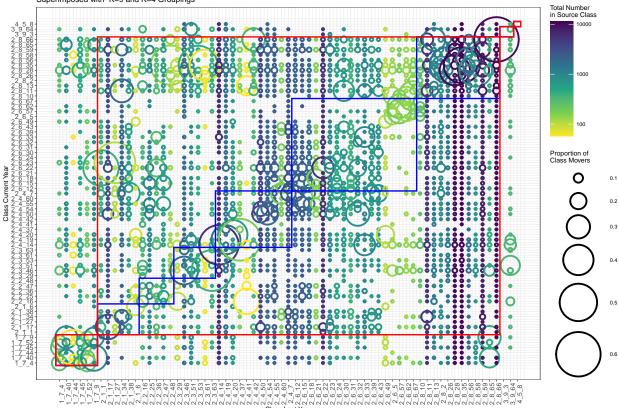
Hunter York

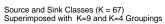
12/24/2020

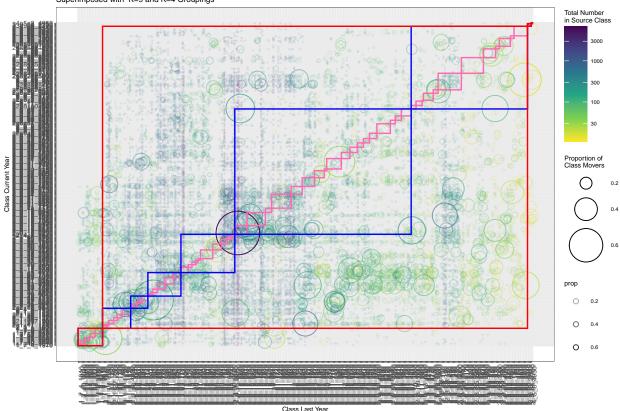
Contributions of Each domain (Top 35) to Final Classes (Unitless)











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## [1] 0.2853814
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[1] 0.6439642

[1] 0.9760303

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% latex table generated in R 4.0.2 by x table 1.8-4 package % Sun Dec 27 11:41:57 2020

Biological technicians		Title	Class_67	Class_9	Class_4
Occupational therapists	1	Biological technicians	1_7_4	1_7	1
4 Physical therapists 1,7,9 1,7 5 Radiation therapists 1,7,9 1,7 6 Recreational therapists 1,7,9 1,7 7 Occupational therapist assistants 1,7,9 1,7 8 Physical therapist assistants 1,7,9 1,7 9 Dentists 1,7,40 1,7 10 Optometrists 1,7,40 1,7 11 Pharmacists 1,7,40 1,7 12 Veterinarians 1,7,40 1,7 13 Chiropractors 1,7,40 1,7 14 Dietitians and nutritionists 1,7,44 1,7 14 Dietitians and nutritionists 1,7,44 1,7 15 Other healthcare practitioners 1,7,44 1,7 16 Licensed practical and license 1,7,52 1,7 17 Physician assistants 1,7,52 1,7 19 Diagnostic related technologis 1,7,52 1,7 19 Diagnostic related technologis 1,7,52 1,7 20 Dental assistants 1,7,52 1,7 21 Agricultural and food scientis 2,1 2,1 <t< td=""><td>2</td><td>Chemical technicians</td><td>1_7_4</td><td>1_7</td><td>1</td></t<>	2	Chemical technicians	1_7_4	1_7	1
5 Radiation therapists 1_7_9 1_7 6 Recreational therapists 1_7_9 1_7 7 Occupational therapist assistants 1_7_9 1_7 8 Physical therapist assistants 1_7_9 1_7 9 Dentists 1_7_40 1_7 10 Optometrists 1_7_40 1_7 11 Pharmacists 1_7_40 1_7 12 Veterinarians 1_7_44 1_7 12 Obiental allocante 1_7_44 1_7 15 Other healthcare practitioners 1_7_45 1_7 16 Licensed practical and license 1_7_52 1_7 17 Physician assistants 1_7_52 1_7 18 Respiratory therapists 1_7_52 1_7 <td>3</td> <td>Occupational therapists</td> <td>1_7_9</td> <td>1_7</td> <td>1</td>	3	Occupational therapists	1_7_9	1_7	1
6 Recreational therapists 1_7_9 1_7 7 Occupational therapist assistants 1_7_9 1_7 8 Physical therapist assistants 1_7_9 1_7 9 Dentists 1_7_40 1_7 10 Optometrists 1_7_40 1_7 11 Pharmacists 1_7_40 1_7 12 Veterinarians 1_7_40 1_7 12 Derhal assistants 1_7_44 1_7 15 Other healthcare practitioners 1_7_52 1_7 16 Licensed practical and license 1_7_52 1_7 <td< td=""><td>4</td><td>Physical therapists</td><td>1_7_9</td><td>1_7</td><td>1</td></td<>	4	Physical therapists	1_7_9	1_7	1
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8 Physical therapist assistants 1_7_9 1_7 9 Dentists 1_7_40 1_7 10 Optometrists 1_7_40 1_7 11 Pharmacists 1_7_40 1_7 12 Veterinarians 1_7_40 1_7 13 Chiropractors 1_7_44 1_7 14 Dietitians and nutritionists 1_7_44 1_7 15 Other healthcare practitioners 1_7_44 1_7 16 Licensed practical and license 1_7_45 1_7 17 Physician assistants 1_7_52 1_7 18 Respiratory therapists 1_7_52 1_7 19 Diagnostic related technologis 1_7_52 1_7 20 Dental assistants 1_7_52 1_7 21 Agricultural and food scientis 2_1_1 2_1 22 Biological scientists 2_1_1 2_1 23 Medical scientists and life sc 2_1_1 2_1 24 Environmental engineers 2_1_6 2_1 25 Industrial engineers, includin 2_1_6 2_1 26 Marine engineers and naval arc 2_1_6 2_1	6		1_7_9	1_7	1
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34 Physical scientists, all other 2_1_27 2_1 35 Economists 2_1_27 2_1 36 Logisticians 2_1_27 2_1 37 Chemical engineers 2_1_34 2_1 38 Materials engineers 2_1_34 2_1 39 Chemists and materials scienti 2_1_34 2_1 40 Aerospace engineers 2_1_38 2_1 41 Computer hardware engineers 2_1_38 2_1 42 Electrical and electronic engi 2_1_38 2_1 43 Mechanical engineers 2_1_38 2_1 44 Packers and packagers, hand 2_2_16 2_2 45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2		- · ·			2
35 Economists 2_1_27 2_1 36 Logisticians 2_1_27 2_1 37 Chemical engineers 2_1_34 2_1 38 Materials engineers 2_1_34 2_1 39 Chemists and materials scienti 2_1_34 2_1 40 Aerospace engineers 2_1_38 2_1 41 Computer hardware engineers 2_1_38 2_1 42 Electrical and electronic engi 2_1_38 2_1 43 Mechanical engineers 2_1_38 2_1 44 Packers and packagers, hand 2_2_16 2_2 45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2		- *			2
36 Logisticians 2_1_27 2_1 37 Chemical engineers 2_1_34 2_1 38 Materials engineers 2_1_34 2_1 39 Chemists and materials scienti 2_1_34 2_1 40 Aerospace engineers 2_1_38 2_1 41 Computer hardware engineers 2_1_38 2_1 42 Electrical and electronic engi 2_1_38 2_1 43 Mechanical engineers 2_1_38 2_1 44 Packers and packagers, hand 2_2_16 2_2 45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2					2
37 Chemical engineers 2_1_34 2_1 38 Materials engineers 2_1_34 2_1 39 Chemists and materials scienti 2_1_34 2_1 40 Aerospace engineers 2_1_38 2_1 41 Computer hardware engineers 2_1_38 2_1 42 Electrical and electronic engi 2_1_38 2_1 43 Mechanical engineers 2_1_38 2_1 44 Packers and packagers, hand 2_2_16 2_2 45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2					2
38 Materials engineers 2_1_34 2_1 39 Chemists and materials scienti 2_1_34 2_1 40 Aerospace engineers 2_1_38 2_1 41 Computer hardware engineers 2_1_38 2_1 42 Electrical and electronic engi 2_1_38 2_1 43 Mechanical engineers 2_1_38 2_1 44 Packers and packagers, hand 2_2_16 2_2 45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2		0			2
39 Chemists and materials scienti 2_1_34 2_1 40 Aerospace engineers 2_1_38 2_1 41 Computer hardware engineers 2_1_38 2_1 42 Electrical and electronic engi 2_1_38 2_1 43 Mechanical engineers 2_1_38 2_1 44 Packers and packagers, hand 2_2_16 2_2 45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2		=			
40 Aerospace engineers 2_1_38 2_1 41 Computer hardware engineers 2_1_38 2_1 42 Electrical and electronic engi 2_1_38 2_1 43 Mechanical engineers 2_1_38 2_1 44 Packers and packagers, hand 2_2_16 2_2 45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2		9			2
41 Computer hardware engineers 2_1_38 2_1 42 Electrical and electronic engi 2_1_38 2_1 43 Mechanical engineers 2_1_38 2_1 44 Packers and packagers, hand 2_2_16 2_2 45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2		_			2
42 Electrical and electronic engi 2_1_38 2_1 43 Mechanical engineers 2_1_38 2_1 44 Packers and packagers, hand 2_2_16 2_2 45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2					2
43 Mechanical engineers 2_1_38 2_1 44 Packers and packagers, hand 2_2_16 2_2 45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2					2 2 2 2 2 2 2 2 2
44 Packers and packagers, hand 2_2_16 2_2 45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2		_			9
45 Janitors and building cleaners 2_2_25 2_2 46 Maids and housekeeping cleaner 2_2_25 2_2					9
46 Maids and housekeeping cleaner 2_2_25 2_2				_	2
		<u> </u>			$\frac{2}{2}$
4/ Pressers textile garment an 9 9 95 9 9	47	Pressers, textile, garment, an	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}_{2}^{2}$	$\frac{2}{2}$
47 Tressers, texture, garment, an 2_2_25 2_2 48 Cleaners of vehicles and equip 2_2_25 2_2					$\frac{2}{2}$
49 Graders and sorters, agricultu 2_2_36 2_2					$\frac{2}{2}$

	Title	Class_67	Class_9	Class_4
1	Food preparation workers	2 2 48	2 2	2
2	Food servers, nonrestaurant	$2^{-}2^{-}48$	$2^{-}2$	2
3	Food preparation and serving r	$2^{-}2^{-}48$	$2^{-}2$	2
4	Dishwashers	$2^{-}2^{-}48$	$2^{-}2$	2
5	Butchers and other meat, poult	$2^{-}2^{-}48$	$2^{-}2$	2
6	Laundry and dry-cleaning worke	$2^{-}2^{-}47$	$2^{-}2$	2
7	Shoe and leather workers and r	$2^{-}2^{-}47$	$2^{-}2$	2
8	Painting workers	$2^{-}2^{-}47$	$2^{-}2$	2
9	Aircraft pilots and flight eng	$2 \ 3 \ 29$	2^{-3}	2
10	Air traffic controllers and ai	$2 \ 3 \ 29$	2^{-3}	2
11	Announcers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2^{-3}	2
12	Writers and authors	$2_{3}^{-3}51$	2^{-3}	2
13	Photographers	$2_{3}^{-3}51$	2^{-3}	2
14	Television, video, and motion	2_3_51	$\frac{-}{2}$ 3	$\overline{2}$
15	Electricians	2_3_53	$\frac{-}{2}$ 3	$\overline{2}$
16	Radio and telecommunications e	2_3_53	$\frac{2}{3}$	2
17	Security and fire alarm system	2_3_53	$\frac{2}{3}$	2
18	Telecommunications line instal	2 3 53	$\frac{2}{2}$ 3	2
19	Sailors and marine oilers, and	2 3 53	$\frac{2}{2}$ 3	$\frac{2}{2}$
20	Ship and boat captains and ope	2_3_53	$\frac{2}{2}$ 3	$\frac{2}{2}$
21	Animal control workers	2 3 61	$\frac{2}{2}$ 3	$\frac{2}{2}$
22	Flight attendants	2 3 61	$\frac{2}{3}$	$\frac{2}{2}$
23	Locomotive engineers and opera	2 3 61	$\frac{2}{3}$	2
$\frac{23}{24}$	Railroad brake, signal, switch	2 3 61	$\frac{2}{2}$ 3	2
25	Subway, streetcar, and other r	2 3 61	$\frac{2}{2}$ 3	$\frac{2}{2}$
26	Transportation inspectors	2 3 61	$\frac{2}{2}$ 3	$\frac{2}{2}$
27	Other transportation workers,	2 3 61	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$
28	Broadcast and sound engineerin	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$ 3	$\frac{2}{2}$
29	Computer, automated teller, an	2 3 63	$\frac{2}{2}$ 3	$\frac{2}{2}$
30	Avionics technicians	2 3 63	$\frac{2}{2}$ 3	2
31	Electrical and electronics rep	2 3 63	$\frac{2}{2}$ 3	2
32	Electronic equipment installer	2 3 63	2 3	$\frac{2}{2}$
33	Electronic home entertainment	2 3 63	$\frac{2}{2}$ 3	$\frac{2}{2}$
34	Switchboard operators, includi	2 3 46	2 3	$\frac{2}{2}$
35	Telephone operators	2 3 46	$\frac{2}{2}$ 3	2
36	Technical writers	2 4 7	2 4	2
37	Proofreaders and copy markers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2_4	$\frac{2}{2}$
38	Psychologists	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$ 4	$\frac{2}{2}$
39	Counselors	$2_{4}14$ $2_{4}14$	2_4	$\frac{2}{2}$
40	Social workers	$2_{4}14$ $2_{4}14$	2 4	$\frac{2}{2}$
41	Lawyers, Judges, magistrates,	$2_{4}14$ $2_{4}14$	$\frac{2}{2}$ 4	$\frac{2}{2}$
42	Audiologists	$2_{4}14$ $2_{4}14$	$\frac{2}{2}$ 4	$\frac{2}{2}$
43	Speech-language pathologists	2_4_14 2_4_14	$\frac{2}{2}$ 4	$\frac{2}{2}$
44	Archivists, curators, and muse	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$ 4	$\frac{2}{2}$
45	Artists and related workers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$ 4	$\frac{2}{2}$
$\frac{45}{46}$	Designers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\overset{2}{2}$
47	Library technicians	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$
48	File Clerks	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$
49	Library assistants, clerical	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$
50	Atmospheric and space scientis	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$
	Admospheric and space scientis	4_4_31	4_4	

	Title	Class_67	Class_9	Class_4
1	Statistical assistants	2_4_37	2_4	2
2	Clergy	2_4_41	2_4	2
3	Directors, religious activitie	2_4_41	2_4	2
4	Postsecondary teachers	2_4_42	2_4	2
5	Preschool and kindergarten tea	2_4_42	2_4	2
6	Elementary and middle school t	$2 \ 4 \ 42$	2 4	2
7	Secondary school teachers	$2 \ 4 \ 42$	2 4	2
8	Special education teachers	$2 \ 4 \ 42$	2 4	2
9	Other teachers and instructors	$2 \ 4 \ 42$	$2^{-}4$	2
10	Other education, training, and	$2 \ 4 \ 42$	$2^{-}4$	2
11	Child care workers	$2 \ 4 \ 42$	$2^{-}4$	2
12	Recreation and fitness workers	$2^{-}4^{-}42$	$2^{-}4$	2
13	Residential advisors	$2^{-}4^{-}42$	$2^{-}4$	2
14	Athletes, coaches, umpires, an	$2^{-4}50$	$2^{-}4$	2
15	First-line supervisors/manager	$2^{-4}50$	$2^{-}4$	2
16	First-line supervisors/manager	$2^{-4}50$	$2^{-}4$	2
17	Bailiffs, correctional officer	$2^{-4}50$	$2^{-}4$	2
18	Detectives and criminal invest	$2^{-4}50$	2^{-4}	2
19	Private detectives and investi	$\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{50}$	$2^{-}4$	2
20	Security guards and gaming sur	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$2^{-}4$	2
$\frac{1}{21}$	Surveyors, cartographers, and	2_4_54	$\frac{1}{2}$ 4	$\overline{2}$
22	Drafters	2_4_54	$2^{-}4$	2
23	Engineering technicians, excep	2_4_54	2^{-4}	2
24	Surveying and mapping technici	2_4_54	$2^{-}4$	2
25	Construction and building insp	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{1}{2}$ 4	2
26	First-line supervisors/manager	2 4 55	$\frac{2}{2}$ 4	2
27	Fire fighters	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{1}{2}$ 4	$\overline{2}$
28	Fire inspectors	2 4 55	$\frac{2}{2}$ 4	2
29	Miscellaneous media and commun	2_4_60	$\frac{1}{2}$ 4	$\overline{2}$
30	Grounds maintenance workers	2_{6}_{5}	$\frac{-}{2}$ 6	$\overline{2}$
31	Cement masons, concrete finish	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{1}{2} \frac{1}{6}$	2
32	Construction laborers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{-}{2}$ 6	$\overline{2}$
33	Paving, surfacing, and tamping	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{-}{2}$ 6	$\frac{1}{2}$
34	Drywall installers, ceiling ti	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{-}{2}$ 6	2
35	Glaziers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{-}{2}$ 6	$\frac{1}{2}$
36	Painters, construction and mai	2 6 5	$\frac{2}{6}$	2
37	Pipelayers, plumbers, pipefitt	2_{6}_{5}	$\frac{-}{2}_{6}$	$\overline{2}$
38	Helpers, construction trades	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{-}{2}$ 6	2
39	Highway maintenance workers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{-}{2}$ 6	$\overline{2}$
40	Other extraction workers, incl	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{-}{2}$ 6	2
41	Brickmasons, blockmasons, and	2_6_12	$\frac{-}{2}$ 6	$\overline{2}$
42	Carpenters	2 6 12	$\frac{-}{2}$ 6	$\overline{2}$
43	Carpet, floor, and tile instal	2 6 12	$\frac{-}{2}$ 6	2
44	Plasterers and stucco masons	2 6 12	$\frac{-}{2}$ 6	$\overline{2}$
45	Reinforcing iron and rebar wor	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2 6	2
46	Roofers	2_{-6}^{-12} 2_{-6}^{-12}	$\frac{2}{2}_{6}$	$\frac{2}{2}$
47	Sheet metal workers	$2_{6}12$	2_6	2
48	Structural iron and steel work	$2_{6}12$	2_6	2
49	Fence erectors	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2_6	2
50	Miscellaneous construction and	2 6 12	2_6	2
	winderiancous construction and	4_0_14		

	Title	Class_67	Class_9	Class_4
1	Boilermakers	2_6_15	2_6	2
2	Insulation workers	2 6 15	2 6	2
3	Hazardous materials removal wo	$2^{-}6^{-}15$	$2^{-}6$	2
4	Derrick, rotary drill, and ser	$2^{-}6^{-}15$	$2^{-}6$	2
5	Electric motor, power tool, an	$2^{-}6^{-}15$	$2^{-}6$	2
6	Maintenance and repair workers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{1}{2} \frac{1}{6}$	2
7	Millwrights	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{1}{2}^{-6}$	2
8	Electrical power-line installe	$\frac{-6}{15}$	$\frac{1}{2} \frac{1}{6}$	2
9	Manufactured building and mobi	2 6 15	$\frac{-}{2}$ 6	2
10	Riggers	2 6 15	$\frac{2}{6}$	2
11	Helpers-installation, mainten	2 6 15	$\frac{2}{2} \frac{6}{6}$	2
12	Other installation, maintenanc	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2} \frac{6}{6}$	$\frac{2}{2}$
13	First-line supervisors/manager	2 6 15	$\frac{2}{2} \frac{6}{6}$	2
14	Water and liquid waste treatme	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 6	$\frac{2}{2}$
15	Material moving workers, inclu	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 6	$\frac{2}{2}$
16	Tool grinders, filers, and sha	2_6_18	2_6	$\frac{2}{2}$
17	Textile cutting machine setter	2 6 18	2_6	$\frac{2}{2}$
18	Textile winding, twisting, and			$\frac{2}{2}$
	Upholsterers	2_6_18		$\frac{2}{2}$
19	1	2_6_18		
20	Furniture finishers	2_6_18	2_6	2
21	Aircraft structure, surfaces,	2_6_21	2_6	2
22	Electrical, electronics, and e	2_6_21	2_6	2
23	Engine and other machine assem	2_6_21	2_6	2
24	Structural metal fabricators a	2_6_21	2_6	2
25	Extruding and drawing machine	2_6_21	2_6	2
26	Metalworkers and plastic worke	2_6_21	2_6	2
27	Miscellaneous textile, apparel	2_6_21	2_6	2
28	Sawing machine setters, operat	2_6_21	2_6	2
29	Crushing, grinding, polishing,	2_6_21	2_6	2
30	Extruding, forming, pressing,	2_6_21	2_6	2
31	Packaging and filling machine	2_6_21	2_6	2
32	Cementing and gluing machine o	2_6_21	2_6	2
33	Molders, shapers, and casters,	2_6_21	2_6	2
34	Paper goods machine setters, o	2_6_21	2_6	2
35	Tire builders	2_6_21	2_6	2
36	Production workers, including	2_6_21	2_6	2
37	Lathe and turning machine tool	2_6_22	2_6	2
38	Metal furnace and kiln operato	2_6_22	2_6	2
39	Molders and molding machine se	2_6_22	2_6	2
40	Welding, soldering, and brazin	2_6_22	2_6	2
41	Plating and coating machine se	2_6_22	2_6	2
42	Furnace, kiln, oven, drier, an	2_6_22	2_6	2
43	Inspectors, testers, sorters,	2_6_22	2_6	2
44	Helpers-production workers	2_6_22	2_{6}	2
45	Machine feeders and offbearers	2_6_22	2_{6}	2
46	Elevator installers and repair	2_6_23	2_6	2
47	Automotive service technicians	2_6_23	2_{6}	2
48	Bus and truck mechanics and di	$2^{-}6^{-}23$	$2^{-}6$	2
	Heavy vehicle and mobile equip	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2^{-6}	2
49	ricavy venicle and mobile equip			_

	Title	Class_67	Class_9	Class_4
1	Miscellaneous vehicle and mobi	2 6 23	2 6	2
2	Control and valve installers a	2^{-6} 23	$2^{-}6$	2
3	Heating, air conditioning, and	2_6_23	$2^{-}6$	2
4	Home appliance repairers	$2^{-}6^{-}23$	$2^{-}6$	2
5	Locksmiths and safe repairers	$2^{-}6^{-}23$	$\frac{-}{2}$ 6	2
6	Industrial and refractory mach	2^{-6} 24	$\frac{1}{2} \frac{1}{6}$	2
7	Rolling machine setters, opera	2^{-6} 24	$\frac{1}{2}^{-6}$	2
8	Cutting, punching, and press m	2^{-6} 24	$\frac{1}{2} \frac{1}{6}$	2
9	Grinding, lapping, polishing,	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{-}{2}$ 6	$\overline{2}$
10	Machinists	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 6	$\frac{1}{2}$
11	Cabinetmakers and bench carpen	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 6	$\frac{1}{2}$
12	Woodworking machine setters, o	2 6 24	$\frac{2}{6}$	2
13	Miscellaneous woodworkers, inc	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{-}{2}$ 6	$\overline{2}$
14	Maintenance workers, machinery	2 6 30	$\frac{2}{6}$	2
15	Tool and die makers	2 6 30	$\frac{2}{2}$ 6	2
16	Meter readers, utilities	2_6_31	2 6	2
17	Rail-track laying and maintena	2 6 31	2 6	2
18	Automotive body and related re	2 6 31	$\frac{2}{2} \frac{6}{6}$	$\frac{2}{2}$
19	Automotive glass installers an	2 6 31	$\frac{2}{2} \frac{6}{6}$	$\frac{2}{2}$
20	Coin, vending, and amusement m	2 6 31	$\frac{2}{2} \frac{6}{6}$	2
21	Driver/sales workers and truck	$2_{6}31$	$\frac{2}{2} \frac{6}{6}$	$\frac{2}{2}$
22	Parking lot attendants	2_6_31	$\frac{2}{2} \frac{6}{6}$	$\frac{2}{2}$
23	Service station attendants	2_6_31	$\frac{2}{2} \frac{6}{6}$	2
$\frac{23}{24}$	Industrial truck and tractor o	2_6_31	$\frac{2}{2} \frac{6}{6}$	2
$\frac{24}{25}$	Laborers and freight, stock, a	2_6_31	2_6	$\frac{2}{2}$
$\frac{26}{26}$	Pumping station operators	2_6_31	2_6	$\frac{2}{2}$
27	Refuse and recyclable material	2_6_31	$\frac{2}{2} \frac{6}{6}$	2
28	Conservation scientists and fo	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2_6	$\frac{2}{2}$
29	Pest control workers	2_6_32	$\frac{2}{2} \frac{6}{6}$	$\frac{2}{2}$
30	Animal trainers	$2_{6}32$	$\frac{2}{2} \frac{6}{6}$	$\frac{2}{2}$
31	First-line supervisors of farm	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2} \frac{6}{6}$	2
$\frac{31}{32}$	Miscellaneous agricultural wor	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2_6	$\frac{2}{2}$
33	Forest and conservation worker	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2} \frac{6}{6}$	2
34	Logging workers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2_6	$\frac{2}{2}$
35	Aircraft mechanics and service	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2} \frac{6}{6}$	2
36	Power plant operators, distrib	2 6 39	2_6	$\frac{2}{2}$
37	Stationary engineers and boile	2_6_39	$\frac{2}{2}_{6}$	$\frac{2}{2}$
38	Miscellaneous plant and system	2_6_39	$\frac{2}{2} \frac{6}{6}$	2
39	Chemical processing machine se	2_6_39	$\frac{2}{2} \frac{6}{6}$	2
40	Crossing guards	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2} \frac{6}{6}$	$\frac{2}{2}$
41	Ushers, lobby attendants, and	$2_{6}43$	$\frac{2}{2} \frac{6}{6}$	2
42	Models, demonstrators, and pro	2 6 43	2_6	$\frac{2}{2}$
43	Couriers and messengers	2 6 43	2_6	$\frac{2}{2}$
44	Postal service mail carriers	2 6 43	2_6	$\frac{2}{2}$
45	Precision instrument and equip	2 6 49	$\frac{2}{2} \frac{6}{6}$	$\frac{2}{2}$
$\frac{45}{46}$	Prepress technicians and worke	$2_{-6}49$ $2_{6}49$	$\frac{2}{2}6$	$\frac{2}{2}$
47	Jewelers and precious stone an	$2_{-6}49$	$\frac{2}{2} \frac{0}{6}$	$\frac{2}{2}$
48	Medical, dental, and ophthalmi	2 6 49	2_6	$\frac{2}{2}$
49	Photographic process workers a	2 6 49	2_6	$\frac{2}{2}$
50	Etchers and engravers	2_6_49	$\frac{2}{0}$ $\frac{2}{0}$ $\frac{2}{0}$	$\frac{2}{2}$
	English and englavers	4_0_49		

	Title	Class_67	Class_9	Class_4
1	Construction equipment operato	2_6_62	2_6	2
2	Mining machine operators	2 6 62	2 6	2
3	Crane and tower operators	$2 \ 6 \ 62$	$2^{-}6$	2
4	Dredge, excavating, and loadin	2_6_62	2_{6}	2
5	Hoist and winch operators, and	$2^{-}6^{-}62$	$2^{-}6$	2
6	Massage therapists	$2^{-6}67$	$2^{-}6$	2
7	Hosts and hostesses, restauran	$2 \ 6 \ 67$	$2^{-}6$	2
8	Nonfarm animal caretakers	$2 \ 6 \ 67$	$2^{-}6$	2
9	Embalmers and funeral attendan	$2^{-6}67$	$2^{-}6$	2
10	Barbers	$2^{-6}67$	$2^{-}6$	2
11	Hairdressers, hairstylists, an	$2^{-6}67$	$2^{-}6$	2
12	Miscellaneous personal appeara	2_6_67	2_{6}	2
13	Baggage porters, bellhops, and	2_6_67	2 6	2
14	Bakers	2_6_33	$2^{-}6$	2
15	Food and tobacco roasting, bak	2_6_33	$2^{-}6$	2
16	Food batchmakers	2_6_33	$2^{-}6$	2
17	Food cooking machine operators	2_6_33	$2^{-}6$	2
18	Cutting workers	$2^{-}6^{-}33$	$2^{-}6$	2
19	Cleaning, washing, and metal p	2_6_33	$2^{-}6$	2
20	Postal service mail sorters, p	$2^{-6}57$	$2^{-}6$	2
21	Mail clerks and mail machine o	2_6_57	2_{6}	2
22	Sewing machine operators	2_6_57	2_{6}	2
23	Textile knitting and weaving m	$2^{-6}57$	2_{6}	2
24	Bartenders	$2_{8}^{-}8_{2}^{-}$	2_8	2
25	Waiters and waitresses	2_8_2	2_8	2
26	Gaming services workers	2_8_2	2_8	2
27	Miscellaneous entertainment at	2_8_2	2_8	2
28	Cashiers	2^{-8} 2	2_8	2
29	Counter and rental clerks	2_8_2	2_{8}^{-}	2
30	Gaming cage workers	$2_{8}^{-}8_{2}^{-}$	$2^{-}8$	2
31	Postal service clerks	2_8_2	2_8	2
32	Public relations specialists	2_8_10	2_8	2
33	Advertising sales agents	2_8_10	$2^{-}8$	2
34	Real estate brokers and sales	2_8_10	2_8	2
35	Agents and business managers o	2 8 10	2 8	2
36	Opticians, dispensing	2_8_11	2_8	2
37	Cargo and freight agents	2_8_11	2_8	2
38	Shipping, receiving, and traff	2_8_11	2_8	2
39	Office machine operators, exce	2_8_11	2_8	2
40	Tailors, dressmakers, and sewe	2_8_11	2_8	2
41	Court, municipal, and license	2_8_26	2_8	2
42	Human resources assistants, ex	2_8_26	2_8	2
43	Dispatchers	2_8_26	2_8	2
44	Office and administrative supp	2_8_26	2_8	2
45	Chief executives	2_8_28	2_{8}	2
46	Computer and information syste	2_8_28	2_8	2
47	Industrial production managers	2_8_28	2_8	2
48	Purchasing managers	2_8_28	2_8	2
49	Transportation, storage, and d	2_8_28	2_8	2
50	General and operations manager	2_8_28	2_8	2

	Title	Class_67	$Class_9$	$Class_4$
1	Construction managers	2_8_28	2_8	2
2	Education administrators	2_8_28	2_8	2
3	Engineering managers	2_8_28	2_8	2
4	Gaming managers	2_8_28	2_8	2
5	Medical and health services ma	2_8_28	2_8	2
6	Natural sciences managers	$2^{-}8^{-}28$	2_8	2
7	Property, real estate, and com	$2^{-}8^{-}28$	2_8	2
8	Social and community service m	$2^{-}8^{-}28$	2_8	2
9	Managers, all other	$2^{-}8^{-}28$	$2^{-}8$	2
10	First-line supervisors/manager	$2^{-}8^{-}28$	$2^{-}8$	2
11	Production, planning, and expe	$2^{-}8^{-}28$	$\frac{1}{2}$ 8	2
12	Cost estimators	$2^{-}8^{-}28$	$2^{-}8$	2
13	Management analysts	$2^{-}8^{-}28$	$2^{-}8$	2
14	Bill and account collectors	$\frac{1}{2} \frac{1}{8} \frac{1}{35}$	$\frac{1}{2}$ 8	2
15	Billing and posting clerks and	$\frac{1}{2} \frac{1}{8} \frac{1}{35}$	$\frac{1}{2}$ 8	2
16	Bookkeeping, accounting, and a	2 8 35	2 8	$\overline{2}$
17	Payroll and timekeeping clerks	2 8 35	2 8	$\frac{1}{2}$
18	Tellers	2 8 35	$\frac{2}{8}$	2
19	Brokerage clerks	2 8 35	$\frac{2}{8}$	2
20	Customer service representativ	2 8 35	2 8	2
$\frac{20}{21}$	Eligibility interviewers, gove	2 8 35	$\frac{2}{2} \frac{8}{8}$	2
22	Loan interviewers and clerks	2 8 35	$\frac{2}{2} \frac{3}{8}$	2
23	Correspondence clerks and orde	2 8 35	2 8	2
$\frac{23}{24}$	Claims adjusters, appraisers,	2 8 35	2_8	2
25	Receptionists and information	2 8 35	2_8	2
26	Weighers, measurers, checkers,	$\frac{2}{2} \cdot \frac{35}{8} \cdot \frac{35}{35}$	2_8	2
27	Secretaries and administrative	$\frac{2}{2} \cdot \frac{35}{8} \cdot \frac{35}{35}$	2_8	2
28	Data entry keyers	$\frac{2}{2} \cdot \frac{35}{8} \cdot \frac{35}{35}$	2 8	2
29	Word processors and typists	$\frac{2}{2} \cdot \frac{35}{8} \cdot \frac{35}{35}$	2_8	2
30	Insurance claims and policy pr	$\frac{2}{2} \cdot \frac{35}{8} \cdot \frac{35}{35}$	2_8	$\frac{2}{2}$
31	Office clerks, general	$\frac{2}{2} \cdot \frac{35}{8} \cdot \frac{35}{35}$	2_8	$\frac{2}{2}$
32	Securities, commodities, and f	2 8 56	2_8	2
33	Procurement clerks	$\frac{2}{2} \cdot \frac{5}{8} \cdot \frac{56}{56}$	2 8	2
34	Accountants and auditors	$\frac{2}{2} \cdot \frac{8}{8} \cdot \frac{56}{56}$	2_8	$\frac{2}{2}$
35	Budget analysts	$\frac{2}{2} \cdot \frac{8}{8} \cdot \frac{56}{6}$	2_8	$\frac{2}{2}$
36	Credit analysts	2 8 56	2_8	$\frac{2}{2}$
37	Personal financial advisors	$\frac{2}{8}$	$\frac{2}{2}_{8}$	$\frac{2}{2}$
38	Insurance underwriters	$\frac{2}{8}$	2_8	$\frac{2}{2}$
39	Loan counselors and officers	$\frac{2}{8}56$	2_8	2
40	Tax examiners, collectors, and	$\frac{2}{8}56$	2_8	2
41	Tax preparers	$\frac{2}{8}56$	2_8	2
42	Financial managers	2_8_58	2_8	$\frac{2}{2}$
43	Actuaries	$\frac{2}{8}58$	2_8	$\frac{2}{2}$
43 44	Financial examiners	2_8_58	2_8 2_8	$\frac{2}{2}$
$\frac{44}{45}$	Farmers, ranchers, and other a	2_8_59	2_8 2_8	$\frac{2}{2}$
46	Food service managers	2_8_59	2_8 2_8	$\frac{2}{2}$
$\frac{40}{47}$	Chefs and head cooks	2_8_59	2_8 2_8	$\frac{2}{2}$
48	First-line supervisors/manager	2_8_59	2_8 2_8	$\frac{2}{2}$
40	_ ,	2_8_59	2_8 2_8	$\frac{2}{2}$
49	First-line supervisors/manager			

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	Title	Class_67	Class_9	Class_	_4_
1	First-line supervisors/manager	2_8_59	2_8		2
2	First-line supervisors/manager	2_8_59	2_8		2
3	First-line supervisors/manager	2_8_59	2_8		2
4	Architects, except naval	2_8_65	2_8		2
5	Civil engineers	2_8_65	2_8		2
6	Urban and regional planners	2_8_65	2_8		2
7	Parts salespersons	2_8_66	2_8		2
8	Retail salespersons	2 8 66	2_8		2
9	Insurance sales agents	$\frac{-}{2} \frac{-}{8} \frac{-}{66}$	2_{-8}^{-}		2
10	Travel agents	$\frac{1}{2}$ 8 66	2_8		2
11	Sales representatives, wholesa	2 8 66	2_8		$\overline{2}$
12	Telemarketers	2 8 66	2_8		2
13	Credit authorizers, checkers,	2 8 66	2_8		2
14	Hotel, motel, and resort desk	2 8 66	2_8		2
15	Interviewers, except eligibili	2 8 66	2_8		2
16	New accounts clerks	2_8_66			2
			2_8		
17	Reservation and transportation	2_8_66	2_8		2
18	Agricultural inspectors	2_8_13	2_8		2
19	Actors	3_9_64	3_9		3
20	Musicians, singers, and relate	3_9_64	3_9		3
21	Dancers and choreographers	3_9_3	3_9		3
22	Door-to-door sales workers, ne	4_5_8	4_5		4
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