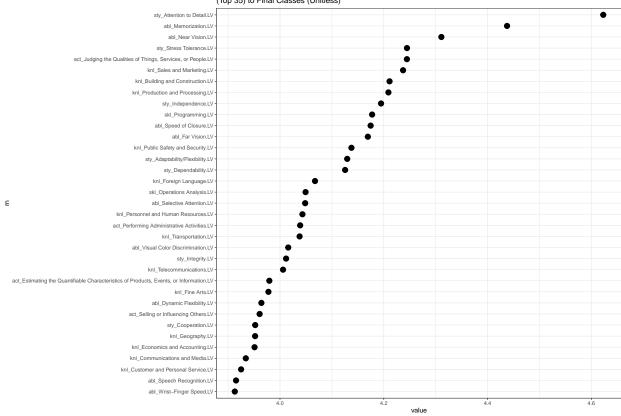
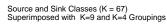
# analysis\_viii

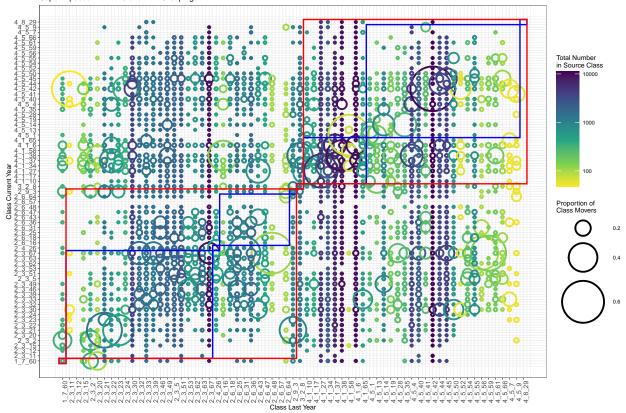
### Hunter York

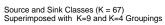
## 12/24/2020

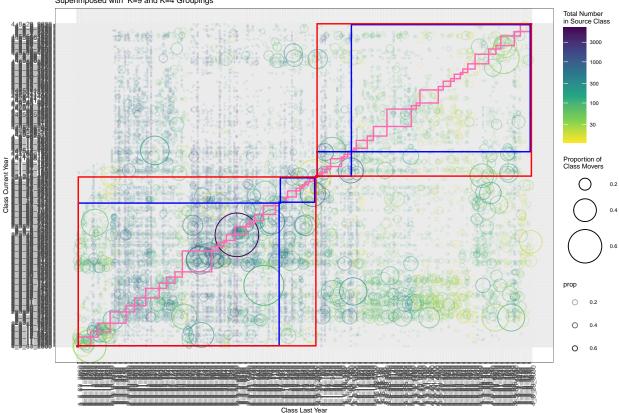
### Contributions of Each domain (Top 35) to Final Classes (Unitless)











```
## [1] 0.2605345
```

## [1] 0.6571706

## [1] 0.7741984

#### 1

% latex table generated in R 4.0.2 by x table 1.8-4 package % Sun Dec 27 11:08:14 2020

#### $\mathbf{2}$

% latex table generated in R 4.0.2 by x table 1.8-4 package % Sun Dec 27 11:08:14 2020

#### 3

% latex table generated in R 4.0.2 by x table 1.8-4 package % Sun Dec 27 11:08:14 2020

#### 4

% latex table generated in R 4.0.2 by x table 1.8-4 package % Sun Dec 27 11:08:14 2020

#### **5**

% latex table generated in R 4.0.2 by x table 1.8-4 package % Sun Dec 27 11:08:14 2020

#### 6

% latex table generated in R 4.0.2 by x table 1.8-4 package % Sun Dec 27 11:08:14 2020

#### 7

% latex table generated in R 4.0.2 by x table 1.8-4 package % Sun Dec 27 11:08:14 2020

#### 8

% latex table generated in R 4.0.2 by x table 1.8-4 package % Sun Dec 27 11:08:14 2020

	Title	Class 67	Class 9	Class 4
1	Miscellaneous media and commun	1 7 60	1 7	<u></u>
2	Massage therapists	$2\_3\_2$	$2^{-}3$	2
3	Bartenders	$2^{-}3^{-}2$	$2^{-}3$	2
4	Hosts and hostesses, restauran	$2^{-}3^{-}2$	$2^{-3}$	2
5	Nonfarm animal caretakers	$2^{-}3^{-}2$	$2^{-}3$	2
6	Gaming services workers	$2^{-}3^{-}2$	$2^{-3}$	2
7	Miscellaneous entertainment at	$2^{-}3^{-}2$	$2^{-3}$	2
8	Embalmers and funeral attendan	$2 \ 3 \ 2$	$2^{-}3$	2
9	Baggage porters, bellhops, and	$2^{-}3^{-}2$	$2^{-}3$	2
10	Cashiers	$2^{-}3^{-}2$	$2^{-}3$	2
11	Counter and rental clerks	$2^{-}3^{-}2$	$2_{-3}^{-3}$	2
12	Gaming cage workers	$2^{-}3^{-}2$	$2_{-3}^{-3}$	2
13	Hotel, motel, and resort desk	$2 \ 3 \ 2$	$2_{3}^{-}$	2
14	Postal service clerks	$2^{-}3^{-}2$	$2^{-}3$	2
15	Brickmasons, blockmasons, and	$2^{-}3^{-}5$	$2^{-3}$	2
16	Carpet, floor, and tile instal	$2^{-}3^{-}5$	$2^{-}3$	2
17	Cement masons, concrete finish	$2^{-}3^{-}5$	$2^{-3}$	2
18	Drywall installers, ceiling ti	$2 \ 3 \ 5$	$2^{-3}$	2
19	Glaziers	$2^{-}3^{-}5$	$2_{-3}^{-}$	2
20	Painters, construction and mai	$2^{-}3^{-}5$	$2^{-3}$	2
21	Helpers, construction trades	$2^{-}3^{-}5$	$2^{-}3$	2
22	Automotive body and related re	$2^{-}3^{-}5$	$2^{-}3$	2
23	Automotive glass installers an	$2^{-}3^{-}5$	$2^{-}3$	2
24	Artists and related workers	$2\_3\_11$	$2^{-}3$	2
25	Designers	$2_{3}^{-1}$	$2^{-}3$	2
26	Photographers	$2_{3}^{-1}$	$2_{3}^{-}$	2
27	Television, video, and motion	2_3_11	$2^{-}3$	2
28	Precision instrument and equip	2_3_11	2_3	2
29	Tailors, dressmakers, and sewe	2_3_11	2_3	2
30	Jewelers and precious stone an	2_3_11	2_3	2
31	Medical, dental, and ophthalmi	2_3_11	2_3	2
32	Photographic process workers a	2_3_11	2_3	2
33	Etchers and engravers	2_3_11	2_3	2
34	Carpenters	$2\_3\_12$	2_3	2
35	Plasterers and stucco masons	$2\_3\_12$	2_3	2
36	Reinforcing iron and rebar wor	$2\_3\_12$	2_3	2
37	Roofers	$2\_3\_12$	2_3	2
38	Sheet metal workers	$2\_3\_12$	2_3	2
39	Structural iron and steel work	$2\_3\_12$	2_3	2
40	Boilermakers	$2\_3\_15$	2_3	2
41	Electric motor, power tool, an	$2\_3\_15$	2_3	2
42	Bus and truck mechanics and di	2_3_15	2_3	2
43	Maintenance and repair workers	2_3_15	2_3	2
44	Millwrights	$2\_3\_15$	$2_{\_}^{-}3$	2
45	Electrical power-line installe	$2\_3\_15$	2_3	2
46	Manufactured building and mobi	$2\_3\_15$	2_3	2
47	Riggers	$2\_3\_15$	2_3	2
48	Helpers-installation, mainten	$2\_3\_15$	2_3	2
49	Other installation, maintenanc	$2\_3\_15$	$2\_3$	2

	Title	Class_67	Class_9	Class_4
1	Library technicians	2_3_20	2_3	2
2	Security guards and gaming sur	2_3_20	2_3	2
3	File Clerks	2_3_20	2  3	2
4	Library assistants, clerical	2_3_20	$2^{-}3$	2
5	Cargo and freight agents	$2 \ 3 \ 20$	$2^{-}3$	2
6	Shipping, receiving, and traff	$2 \ 3 \ 20$	$2^{-}3$	2
7	Weighers, measurers, checkers,	$2 \ 3 \ 20$	$2^{-3}$	2
8	Extruding and drawing machine	$2 \ 3 \ 21$	$2^{-3}$	2
9	Metalworkers and plastic worke	$2 \ 3 \ 21$	$2^{-3}$	2
10	Miscellaneous textile, apparel	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{1}{2}$ 3	$\frac{-}{2}$
11	Extruding, forming, pressing,	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$ 3	2
12	Cementing and gluing machine o	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$ 3	$\frac{2}{2}$
13	Molders, shapers, and casters,	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$ 3	2
14	Paper goods machine setters, o	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$ 3	2
15	Tire builders	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2_3	$\frac{2}{2}$
16	Production workers, including	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{ccc} 2 & 3 \\ 2 & 3 \end{array}$	$\frac{2}{2}$
17	Food cooking machine operators	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2_3	$\frac{2}{2}$
18	Metal furnace and kiln operato	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{ccc} 2 & 3 \\ 2 & 3 \end{array}$	$\frac{2}{2}$
	-			
19	Molders and molding machine se	2_3_22	2_3	2
20	Welding, soldering, and brazin	2_3_22	2_3	2
21	Plating and coating machine se	2_3_22	2_3	2
22	Sawing machine setters, operat	2_3_22	2_3	2
23	Cutting workers	2_3_22	2_3	2
24	Furnace, kiln, oven, drier, an	2_3_22	2_3	2
25	Inspectors, testers, sorters,	2_3_22	2_3	2
26	Helpers–production workers	$2\_3\_22$	$2\_3$	2
27	Machine feeders and offbearers	$2\_3\_22$	$2\_3$	2
28	Heavy vehicle and mobile equip	$2\_3\_23$	2_3	2
29	Small engine mechanics	$2\_3\_23$	2_3	2
30	Miscellaneous vehicle and mobi	$2\_3\_23$	2_3	2
31	Control and valve installers a	2_3_23	$2\_3$	2
32	Home appliance repairers	$2\_3\_23$	2_3	2
33	Locksmiths and safe repairers	$2_{3}_{2}$	$2\_3$	2
34	Aircraft structure, surfaces,	$2\_3\_24$	$2\_3$	2
35	Electrical, electronics, and e	$2\_3\_24$	$2\_3$	2
36	Engine and other machine assem	$2\_3\_24$	$2\_3$	2
37	Structural metal fabricators a	$2\_3\_24$	$2\_3$	2
38	Cutting, punching, and press m	$2\_3\_24$	2_3	2
39	Lathe and turning machine tool	$2_{3}_{24}$	2_3	2
40	Woodworking machine setters, o	$2_{3}_{24}$	2_3	2
41	Industrial and refractory mach	2_3_30	$2_{-3}^{-3}$	2
42	Maintenance workers, machinery	2_3_30	$2^{-3}$	2
43	Machinists	2_3_30	$2^{-3}$	2
44	Tool and die makers	2_3_30	$\frac{1}{2}$ 3	$\overline{2}$
45	Cabinetmakers and bench carpen	2_3_30	$\frac{2}{3}$	2
46	Miscellaneous woodworkers, inc	2_3_30	$\frac{2}{3}$	$\frac{2}{2}$
47	Pest control workers	2_3_30	$\frac{2}{3}$	$\frac{2}{2}$
48	Grounds maintenance workers	$2_{3}^{2}$ $3_{3}^{2}$	$\frac{2}{2}$	$\frac{2}{2}$
49	Animal trainers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$
50	Meter readers, utilities	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$
	wicker readers, utilities		∪	

	Title	Class_67	Class_9	Class_4
1	First-line supervisors of farm	2_3_32	2_3	2
2	Miscellaneous agricultural wor	$2_{3}_{3}$	2_3	2
3	Forest and conservation worker	$2\_3\_32$	2_3	2
4	Logging workers	$2\_3\_32$	$2\_3$	2
5	Construction laborers	2_3_32	2_3	2
6	Paving, surfacing, and tamping	$2 \ 3 \ 32$	2  3	2
7	Insulation workers	2_3_32	2_3	2
8	Pipelayers, plumbers, pipefitt	$2_{3}_{3}$	2_3	2
9	Fence erectors	$2 \ 3 \ 32$	$2^{-}3$	2
10	Hazardous materials removal wo	$2 \ 3 \ 32$	$2^{-}3$	2
11	Highway maintenance workers	$2 \ 3 \ 32$	$2^{-}3$	2
12	Rail-track laying and maintena	$2^{-}3^{-}32$	$2^{-}3$	2
13	Miscellaneous construction and	$2^{-}3^{-}32$	$2^{-3}$	2
14	Other extraction workers, incl	$2^{-}3^{-}32$	$2^{-}3$	2
15	Coin, vending, and amusement m	2_3_32	$\frac{-}{2}$ 3	2
16	Driver/sales workers and truck	$2^{-}3^{-}32$	$2^{-3}$	2
17	Service station attendants	$2^{-}3^{-}32$	$2^{-3}$	2
18	Industrial truck and tractor o	$2^{-}3^{-}32$	$2^{-3}$	2
19	Laborers and freight, stock, a	$2 \ 3 \ 32$	$2^{-3}$	2
20	Pumping station operators	$2 \ 3 \ 32$	$2^{-3}$	2
21	Power plant operators, distrib	2_3_39	$2^{-3}$	2
22	Stationary engineers and boile	$2 \ 3 \ 39$	$2^{-3}$	2
23	Water and liquid waste treatme	$2 \ 3 \ 39$	$2^{-3}$	2
24	Miscellaneous plant and system	$2 \ 3 \ 39$	$2^{-3}$	2
25	Chemical processing machine se	2_3_39	$2^{-3}$	2
26	Switchboard operators, includi	2_3_46	$2^{-3}$	2
27	Telephone operators	$2 \ 3 \ 46$	$2^{-3}$	2
28	Rolling machine setters, opera	$2 \ 3 \ 49$	$2^{-3}$	2
29	Grinding, lapping, polishing,	$2 \ 3 \ 49$	$2^{-3}$	2
30	Tool grinders, filers, and sha	$2 \ 3 \ 49$	$2^{-3}$	2
31	Textile cutting machine setter	$2 \ 3 \ 49$	$2^{-3}$	2
32	Upholsterers	$2 \ 3 \ 49$	$\frac{-}{2}$ 3	2
33	Crushing, grinding, polishing,	$2 \ 3 \ 49$	$2^{-3}$	2
34	Packaging and filling machine	$2 \ 3 \ 49$	$\frac{1}{2}$ 3	2
35	Elevator installers and repair	$2 \ \ 3 \ \ 53$	$2^{-3}$	2
36	Aircraft mechanics and service	$2 \ \ 3 \ \ 53$	$2^{-}3$	2
37	Automotive service technicians	$2\_3\_53$	$2_{-3}^{-}$	2
38	Heating, air conditioning, and	$2\_3\_53$	$2_{-3}^{-3}$	2
39	Construction equipment operato	$2\_3\_62$	$2_{-3}^{-}$	2
40	Mining machine operators	$2\_3\_62$	$2_{-3}^{-}$	2
41	Locomotive engineers and opera	$2\_3\_62$	$2_{-3}^{-}$	2
42	Subway, streetcar, and other r	$2\_3\_62$	$2_{-3}^{-}$	2
43	Crane and tower operators	2_3_62	$2_{-3}^{-}$	2
44	Hoist and winch operators, and	$2\_3\_62$	$2_{-3}^{-}$	2
45	Material moving workers, inclu	$2\_3\_62$	$2^{-3}$	2
46	Broadcast and sound engineerin	2_3_63	$\frac{-}{2}$ 3	$\overline{2}$
47	Electricians	2_3_63	$2_{-3}^{-}$	2
48	Computer, automated teller, an	2_3_63	$2^{-3}$	2
49	Radio and telecommunications e	2_3_63	$2_{-3}^{-3}$	2
50	Avionics technicians	$2 \ 3 \ 63$	$2_{-3}^{-}$	2

	Title	Class_67	Class_9	Class_4
1	Electrical and electronics rep	2 3 63	2 3	2
2	Electronic equipment installer	$2^{-}3^{-}63$	$2^{-}3$	2
3	Electronic home entertainment	$2^{-3}63$	$2^{-3}$	2
4	Security and fire alarm system	2_3_63	$\frac{-}{2}$ 3	$\overline{2}$
5	Telecommunications line instal	2 3 63	$\frac{-}{2}$ 3	$\overline{2}$
6	Barbers	2 3 67	$\frac{-}{2}$ 3	$\overline{2}$
7	Hairdressers, hairstylists, an	2 3 67	$\frac{2}{3}$	$\frac{1}{2}$
8	Miscellaneous personal appeara	2 3 67	$\frac{2}{2}$ 3	2
9	Bakers	2 3 33	2 3	2
10	Food and tobacco roasting, bak	2 3 33	$\frac{2}{2}$ 3	$\frac{2}{2}$
11	Food batchmakers	2 3 33	2_3	$\frac{2}{2}$
12	Textile knitting and weaving m	2_3_33	$\begin{array}{ccc} 2 & 3 \\ 2 & 3 \end{array}$	$\frac{2}{2}$
13	Cleaning, washing, and metal p	2_3_33	2_3	$\frac{2}{2}$
14	Animal control workers	2_3_55 2 3 51	2_3	$\frac{2}{2}$
				$\frac{2}{2}$
15	Other transportation workers,			$\frac{2}{2}$
16	Refuse and recyclable material		2_3	
17	Proofreaders and copy markers	2_4_26	2_4	2
18	Food preparation workers	2_6_16	2_6	2
19	Waiters and waitresses	2_6_16	2_6	2
20	Food preparation and serving r	2_6_16	2_6	2
21	Dishwashers	2_6_16	2_6	2
22	Packers and packagers, hand	2_6_16	2_6	2
23	Food servers, nonrestaurant	$2\_6\_25$	$2\_6$	2
24	Janitors and building cleaners	$2\_6\_25$	$2\_6$	2
25	Maids and housekeeping cleaner	$2\_6\_25$	$2\_6$	2
26	Butchers and other meat, poult	$2\_6\_25$	$2\_6$	2
27	Laundry and dry-cleaning worke	$2\_6\_25$	$2\_6$	2
28	Shoe and leather workers and r	$2\_6\_25$	$2\_6$	2
29	Cleaners of vehicles and equip	$2\_6\_25$	$2\_6$	2
30	Couriers and messengers	$2\_6\_31$	$2\_6$	2
31	Postal service mail carriers	$2\_6\_31$	$2\_6$	2
32	Parking lot attendants	2_6_31	2_6	2
33	Ushers, lobby attendants, and	$2\_6\_43$	2_6	2
34	Models, demonstrators, and pro	2 6 43	2 6	2
35	Painting workers	$2^{-6}$ 48	$2^{-}6$	2
36	Postal service mail sorters, p	$2^{-}6^{-}57$	$2^{-}6$	2
37	Mail clerks and mail machine o	$2^{-6}57$	$2_{-6}^{-6}$	2
38	Sewing machine operators	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{1}{2}^{-6}$	2
39	Dredge, excavating, and loadin	2_6_18	$\frac{-}{2}$ 6	$\frac{1}{2}$
40	Crossing guards	2_6_36	$\frac{2}{6}$	2
41	Graders and sorters, agricultu	2 6 36	$\frac{2}{2} \frac{6}{6}$	$\frac{2}{2}$
42	Office machine operators, exce	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{2}{2} \frac{6}{6}$	$\frac{2}{2}$
43	Textile winding, twisting, and	2 6 47	2_6	$\frac{2}{2}$
44	Furniture finishers	2_6_47	2_6	$\frac{2}{2}$
$44 \\ 45$	Pressers, textile, garment, an	2_6_47	$\begin{array}{cccc} 2 & 0 \\ 2 & 6 \end{array}$	$\frac{2}{2}$
	, , , ,		2_6 2 9	$\frac{2}{2}$
46	Dancers and choreographers			
47	Door-to-door sales workers, ne	3_2_8	3_2	3
48	Operations research analysts	4_1_6	4_1	4
49	Physical scientists, all other	4_1_6	4_1	4
_50_	Logisticians	4_1_6	4_1	4

	Title	Class_67	Class_9	Class_4
1	Sales engineers	4_1_10	4_1	4
2	Astronomers and physicists	$4\_1\_17$	4_1	4
3	Actuaries	$4\_1\_27$	4_1	4
4	Economists	$4\_1\_27$	4_1	4
5	Agricultural and food scientis	$4\_1\_34$	4_1	4
6	Biological scientists	$4\_1\_34$	4_1	4
7	Medical scientists and life sc	$4\_1\_34$	4_1	4
8	Environmental scientists and g	$4\_1\_34$	4_1	4
9	Mathematicians, statisticians	$4\_1\_37$	4_1	4
10	Atmospheric and space scientis	$4\_1\_37$	4_1	4
11	Statistical assistants	$4\_1\_37$	4_1	4
12	Aerospace engineers	$4\_1\_38$	4_1	4
13	Chemical engineers	$4\_1\_38$	4_1	4
14	Environmental engineers	$4\_1\_38$	4_1	4
15	Industrial engineers, includin	$4 \ 1 \ 38$	4 1	4
16	Marine engineers and naval arc	$4 \ 1 \ 38$	4 1	4
17	Materials engineers	$4 \ 1 \ 38$	$ \frac{-}{4} $ 1	4
18	Mechanical engineers	$4 \ 1 \ 38$	$4 \ 1$	4
19	Petroleum engineers	$4 \ 1 \ 38$	$ \frac{-}{4} $ 1	4
20	Engineers, all other, includin	$4 \ 1 \ 38$	$\frac{-}{4}$ 1	4
21	Financial managers	$4 \ 1 \ 58$	$\frac{-}{4}$ 1	4
22	Financial examiners	$\frac{-}{4} \frac{-}{1} \frac{-}{58}$	$ \frac{-}{4} $ 1	4
23	Architects, except naval	$4 \ 1 \ 65$	$ \frac{-}{4} $ 1	4
24	Civil engineers	$4 \ 1 \ 65$	$ \frac{-}{4} $ 1	4
25	Urban and regional planners	$4 \ 1 \ 65$	$ \frac{-}{4} $ 1	4
26	Biological technicians	$4 \ 5 \ 1$	$4^{-}5$	4
27	Chemical technicians	$4 \ 5 \ 1$	$4^{-}5$	4
28	Computer hardware engineers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$4^{-}5$	4
29	Electrical and electronic engi	$4_{-}^{-}5_{-}^{-}4$	$4_{-}^{-}5$	4
30	Engineering technicians, excep	$4 \ 5 \ 4$	$4^{-}5$	4
31	Chemists and materials scienti	$4_{-}5_{-}4$	4_5	4
32	Drafters	$4 \ 5 \ 7$	4 5	4
33	Technical writers	$4 \ 5 \ 7$	$4^{-}5$	4
34	Court, municipal, and license	$4 \ 5 \ 7$	$4^{-}5$	4
35	Office and administrative supp	$4 \ 5 \ 7$	$4^{-}5$	4
36	Prepress technicians and worke	$4 \ 5 \ 7$	$4^{-}5$	4
37	Special education teachers	4_5_9	$4_{-}^{-}5$	4
38	Occupational therapists	$4_{5}9$	4_5	4
39	Physical therapists	4 5 9	4 5	4
40	Radiation therapists	$4 \ 5 \ 9$	$4^{-}5$	4
41	Recreational therapists	$4 \ 5 \ 9$	$4^{-}5$	4
42	Licensed practical and license	$4 \ 5 \ 9$	$4^{-}5$	4
43	Occupational therapist assista	$4_{5}^{-}_{9}$	$4_{-}^{-}5$	4
44	Physical therapist assistants	$4_{5}^{-}_{9}$	$4_{-}^{-}5$	4
45	Archivists, curators, and muse	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\stackrel{-}{4}$ 5	4
46	Dispatchers	4_5_13	$\frac{1}{4}$ 5	$\overline{4}$
47	Preschool and kindergarten tea	4_5_14	$\stackrel{-}{4}$ 5	4
48	Elementary and middle school t	4_5_14	$4_{-5}^{-1}$	4
49	Secondary school teachers	$4_{5}^{-14}$	$4_{-}^{-}5$	4
50	Other teachers and instructors	$4 \ 5 \ 14$	$\frac{-}{4}5$	4

	Title	Class_67	Class_9	Class_4
1	Other education, training, and	4_5_14	4_5	4
$^2$	Athletes, coaches, umpires, an	4 5 14	4 5	4
3	Child care workers	$4 \ 5 \ 14$	$4^{-}5$	4
4	Recreation and fitness workers	$4 \ 5 \ 14$	$4^{-}5$	4
5	Residential advisors	$4 \ 5 \ 14$	$4^{-}5$	4
6	Psychologists	$4 \ 5 \ 19$	$4^{-}5$	4
7	Counselors	$4 \ 5 \ 19$	$4^{-}5$	4
8	Social workers	$4 \ 5 \ 19$	$\begin{array}{cccc} & - & & & & & & & & & & & & & & & & & $	4
9	Lawyers, Judges, magistrates,	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\stackrel{-}{4}$ $\stackrel{-}{5}$	4
10	Postsecondary teachers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\stackrel{-}{4}$ $\stackrel{-}{5}$	4
11	Chief executives	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\stackrel{-}{4}$ $\stackrel{-}{5}$	4
12	Computer and information syste	4 5 28	4 5	4
13	Industrial production managers	4 5 28	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4
14	Purchasing managers	4 5 28	4 5	4
15	Transportation, storage, and d	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4 5	4
16	General and operations manager	4 5 28	4 5	4
17	Construction managers	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4_5	4
18	Engineering managers	4_5_28	4_5	4
19	Managers, all other	4_5_28	4_5 4 5	4
20		4_5_28	4_5 4 5	4
$\frac{20}{21}$	Production, planning, and expe Cost estimators	4_5_28	4_5 4 5	4
$\frac{21}{22}$	Bill and account collectors	4_5_28	_	4
			4_5	
23	Billing and posting clerks and	4_5_35	4_5	4
24	Bookkeeping, accounting, and a	4_5_35	4_5	4
$\frac{25}{26}$	Payroll and timekeeping clerks	4_5_35	4_5	4
26	Procurement clerks	4_5_35	4_5	4
27	Tellers	4_5_35	4_5	4
28	Brokerage clerks	4_5_35	4_5	4
29	Credit authorizers, checkers,	4_5_35	4_5	4
30	Eligibility interviewers, gove	4_5_35	4_5	4
31	Interviewers, except eligibili	4_5_35	4_5	4
32	New accounts clerks	4_5_35	4_5	4
33	Correspondence clerks and orde	$4\_5\_35$	$4\_5$	4
34	Human resources assistants, ex	$4\_5\_35$	$4\_5$	4
35	Claims adjusters, appraisers,	$4\_5\_35$	$4\_5$	4
36	Receptionists and information	$4\_5\_35$	$4\_5$	4
37	Secretaries and administrative	$4\_5\_35$	$4\_5$	4
38	Data entry keyers	$4\_5\_35$	$4\_5$	4
39	Word processors and typists	$4\_5\_35$	$4\_5$	4
40	Insurance claims and policy pr	$4\_5\_35$	$4\_5$	4
41	Office clerks, general	$4\_5\_35$	$4\_5$	4
42	Dentists	$4\_5\_40$	$4\_5$	4
43	Optometrists	$4\_5\_40$	$4\_5$	4
44	Veterinarians	$4\_5\_40$	$4\_5$	4
45	Clergy	$4\_5\_41$	$4\_5$	4
46	Directors, religious activitie	$4\_5\_41$	$4\_5$	4
47	Education administrators	$4\_5\_41$	$4\_5$	4
48	Food service managers	$4\_5\_41$	$4\_5$	4
49	Gaming managers	$4\_5\_41$	$4\_5$	4
50	Medical and health services ma	$4\_5\_41$	$4\_5$	4

	Title	Class_67	Class_9	Class_4
1	Natural sciences managers	4_5_41	4_5	4
2	Chefs and head cooks	$4\_5\_41$	$4\_5$	4
3	First-line supervisors/manager	$4\_5\_41$	$4_{-}5$	4
4	Property, real estate, and com	$4\_5\_41$	4_5	4
5	Social and community service m	$4\_5\_41$	4_5	$_4$
6	First-line supervisors/manager	$4 \ 5 \ 41$	4 5	4
7	First-line supervisors/manager	$4 \ 5 \ 41$	$4^{-}5$	4
8	First-line supervisors/manager	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$4^{-}5$	4
9	Management analysts	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$4^{-}5$	4
10	Actors	$4 \ 5 \ 42$	$\frac{-}{4}5$	4
11	Musicians, singers, and relate	$4 \ 5 \ 42$	$\begin{array}{c} - \\ 4 & 5 \end{array}$	4
12	Announcers	$4 \ 5 \ 42$	$\stackrel{-}{4}^{}5$	4
13	Writers and authors	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\stackrel{-}{4}$ 5	4
14	Chiropractors	4 5 44	$\frac{-}{4}$ 5	$\overline{4}$
15	Dietitians and nutritionists	4 5 44	$\frac{1}{4} \frac{1}{5}$	4
16	Pharmacists	4 5 44	4 5	4
17	Audiologists	4 5 44	4 5	4
18	Speech-language pathologists	4 5 44	4 5	4
19	Other healthcare practitioners	4 5 44	4_5	4
20	Physician assistants	4_5_44	4_5 4_5	4
$\frac{20}{21}$	Respiratory therapists	4_5_45	4_5 4_5	4
$\frac{21}{22}$	Diagnostic related technologis	4_5_45	4_5	4
$\frac{22}{23}$	First-line supervisors/manager	4_5_45	4_5 4 5	4
$\frac{23}{24}$	First-line supervisors/manager	4_5_50	4_5 4 5	4
$\frac{24}{25}$	Bailiffs, correctional officer	4_5_50	4_5 4 5	4
$\frac{25}{26}$	Detectives and criminal invest	4_5_50	4_5 4 5	4
$\frac{20}{27}$	Private detectives and investi		4_5 4 5	4
		4_5_50		
28	Opticians, dispensing	4_5_52	4_5	4
29	Dental assistants	4_5_52	4_5	4
30	Surveyors, cartographers, and	4_5_54	4_5	4
31	Surveying and mapping technici	4_5_54	4_5	4
32	Agricultural inspectors	4_5_54	4_5	4
33	Construction and building insp	4_5_54	4_5	4
34	Conservation scientists and fo	4_5_55	4_5	4
35	First-line supervisors/manager	4_5_55	4_5	4
36	Fire fighters	4_5_55	4_5	4
37	Fire inspectors	4_5_55	4_5	4
38	Sailors and marine oilers, and	4_5_55	4_5	4
39	Ship and boat captains and ope	4_5_55	4_5	4
40	Securities, commodities, and f	4_5_56	4_5	4
41	Customer service representativ	4_5_56	4_5	4
42	Loan interviewers and clerks	4_5_56	4_5	4
43	Accountants and auditors	4_5_56	4_5	4
44	Budget analysts	4_5_56	4_5	4
45	Credit analysts	4_5_56	4_5	4
46	Personal financial advisors	$4\_5\_56$	$4\_5$	4
47	Insurance underwriters	$4\_5\_56$	$4\_5$	4
48	Loan counselors and officers	$4\_5\_56$	$4\_5$	4
49	Tax examiners, collectors, and	$4\_5\_56$	$4\_5$	4
50	Tax preparers	4_5_56	4_5	4

	Title	Class_67	Class_9	Class_4
1	Farmers, ranchers, and other a	4_5_59	4_5	4
2	First-line supervisors/manager	4 5 59	4 5	4
3	First-line supervisors/manager	$4 \ 5 \ 59$	$4^{-}5$	4
4	Derrick, rotary drill, and ser	4_5_59	$\frac{-}{4}5$	4
5	First-line supervisors/manager	4_5_59	$4^{-}5$	4
6	First-line supervisors/manager	4_5_59	$\begin{array}{cccc} & - & & & & & & & & & & & & & & & & & $	4
7	Air traffic controllers and ai	4_5_61	$\stackrel{-}{4}$ 5	4
8	Flight attendants	4 5 61	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\overline{4}$
9	Railroad brake, signal, switch	4 5 61	4 5	4
10	Transportation inspectors	4 5 61	4 5	4
11	Public relations specialists	4 5 66	4 5	4
12	Parts salespersons	4 5 66	4 5	4
13	Retail salespersons	4_5_66	4 5	4
14	Advertising sales agents	4 5 66	4 5	4
15	Insurance sales agents	4 5 66	4_5	4
16	Travel agents	4_5_66	4_5	4
17	Sales representatives, wholesa	4_5_66	4_5	4
18	Real estate brokers and sales	4_5_66	4_5	4
19	Telemarketers	4_5_66	_	4
20			_	
20	Agents and business managers o		$\begin{array}{cc} 4\_5 \\ 4 & 5 \end{array}$	$\frac{4}{4}$
$\frac{21}{22}$	Reservation and transportation Aircraft pilots and flight eng	$4_{5}_{66}$ $4_{8}_{29}$		4
23	Ancian phots and light eng	4_6_29	4_8	4
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