

TABLE 7

Five-class job satisfaction latent class analysis solution with three response options: 2017

(Percent and probability)

Class (prevalence)	Response		
	Very satisfied	Somewhat satisfied	Dissatisfied
Class 1 (27.8%): Very Satisfied with Independence, Challenge, and Responsibility			
Salary	0.104	0.614	0.282
Benefits	0.191	0.561	0.247
Security	0.436	0.378	0.186
Location	0.576	0.319	0.105
Opportunities	0.236	0.528	0.235
Challenge	0.806	0.182	0.013
Responsibility	0.801	0.192	0.008
Independence	0.873	0.116	0.012
Contribution	0.746	0.230	0.024
Class 2 (23.8%): Very Satisfied with Everything			
Salary	0.763	0.227	0.010
Benefits	0.815	0.154	0.031
Security	0.836	0.144	0.020
Location	0.818	0.153	0.029
Opportunities	0.742	0.243	0.014
Challenge	0.963	0.037	0.000
Responsibility	0.983	0.015	0.002
Independence	0.955	0.043	0.003
Contribution	0.881	0.111	0.008
Class 3 (16.2%): Very Satisfied with Benefits			
Salary	0.589	0.390	0.021
Benefits	0.802	0.191	0.008
Security	0.616	0.291	0.093
Location	0.597	0.296	0.108
Opportunities	0.157	0.634	0.209
Challenge	0.322	0.591	0.087
Responsibility	0.316	0.637	0.047
Independence	0.549	0.392	0.059
Contribution	0.422	0.500	0.079
Class 4 (16.1%): Dissatisfied with Opportunities for Advancement			
Salary	0.096	0.414	0.491
Benefits	0.206	0.432	0.362
Security	0.199	0.362	0.439
Location	0.347	0.361	0.292
Opportunities	0.013	0.141	0.846
Challenge	0.078	0.358	0.564
Responsibility	0.039	0.456	0.505
Independence	0.235	0.431	0.335
Contribution	0.189	0.465	0.346
Class 5 (16.1%): Somewhat Satisfied with Everything			
Salary	0.034	0.769	0.197
Benefits	0.104	0.747	0.149
Security	0.232	0.638	0.129
Location	0.310	0.556	0.134
Opportunities	0.018	0.699	0.284
Challenge	0.092	0.846	0.062
Responsibility	0.015	0.952	0.033
Independence	0.282	0.675	0.043

TABLE 7

Five-class job satisfaction latent class analysis solution with three response options: 2017

(Percent and probability)

Class (prevalence)	Response		
	Very satisfied	Somewhat satisfied	Dissatisfied
Contribution	0.210	0.743	0.048

Note(s):

Rows may not sum to 1.000 due to rounding. Response probabilities greater than 0.500 are considered salient and are represented in bold. Response probabilities more than twice as large as the next-largest probability in a row are highlighted in blue.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2017.