|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table 2: Models of Unemployment Duration with only BMI Classifications** | | | | |
|  | (1) | (2) | (3) | (4) |
| Overweight | -0.1161 \*\*\* | -0.1338 \*\*\* | -0.1538 \*\*\* | -0.1808 \*\*\* |
|  | (0.0189) | (0.0191) | (0.0231) | (0.023) |
| Obese | -0.2086 \*\*\* | -0.2108 \*\*\* | -0.2989 \*\*\* | -0.2981 \*\*\* |
|  | (0.0194) | (0.0198) | (0.0255) | (0.0258) |
| Variable Coef. Std. Dev. |  |  | 0.4519 | 0.4458 |
| Spells (Observations) | 16,210 | 15,800 | 16,210 | 15,800 |
| AIC | 281732.00 | 273790.50 | 280616.70 | 272736.00 |
| BIC | 281747.40 | 273805.80 | 293503.60 | 285107.30 |
| Log Likelihood | -140864.00 | -136893.20 | -138633.30 | -134754.60 |
| Significance Levels: ^=10%, \*=5%, \*\*=2.5%, \*\*\* 1%. Frailty modeled with Gaussian distribution and models estimated with *coxph* and *coxme* command in R. Standard errors in parathesis. Intercept SD indicates the standard deviation of the mixed effect constant terms estimated according to frailty across individual respondent (ID) and loglikelihood testing the significance of the random effects are all significant at the highest level. | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table 3 | | | | |
|  | (1) | (2) | (3) | (4) |
| Overweight | -0.0481 \* | -0.0457 \* | -0.0406 ^ | -0.0409 ^ |
|  | (0.0191) | (0.0228) | (0.0226) | (0.0226) |
| Obese | -0.1049 \*\*\* | -0.1266 \*\*\* | -0.1131 \*\*\* | -0.106 \*\*\* |
|  | (0.0203) | (0.0257) | (0.0254) | (0.0253) |
| Female | 0.0541 \*\* | 0.0748 \*\*\* | 0.0638 \*\* | 0.0672 \*\* |
|  | (0.0167) | (0.0219) | (0.0216) | (0.0221) |
| Age | -0.0672 \*\*\* | -0.0661 \*\*\* | -0.0409 \*\*\* | -0.0444 \*\*\* |
|  | (0.0037) | (0.0044) | (0.0049) | (0.0049) |
| Black | -0.1577 \*\*\* | -0.2035 \*\*\* | -0.181 \*\*\* | -0.1785 \*\*\* |
|  | (0.0211) | (0.0282) | (0.0279) | (0.0278) |
| Hispanic | -0.0128 | -0.0175 | -0.0233 | -0.0205 |
|  | (0.0231) | (0.0304) | (0.0299) | (0.0298) |
| Married | 0.0563 \* | 0.0594 ^ | 0.0499 | 0.0517 ^ |
|  | (0.0259) | (0.0309) | (0.0306) | (0.0306) |
| Separated | -0.0548 | -0.082 | -0.0514 | -0.0389 |
|  | (0.0456) | (0.0547) | (0.0544) | (0.0544) |
| Child6 | -0.0025 | -0.0001 | -0.0044 | -0.0058 |
|  | (0.0112) | (0.0132) | (0.0132) | (0.0131) |
| FamIncome | 0.0094 \*\* | 0.0107 \*\* | 0.0116 \*\* | 0.0133 \*\*\* |
|  | (0.0033) | (0.0038) | (0.0038) | (0.0038) |
| HS | 0.0669 \*\* | 0.0889 \*\* | 0.0869 \*\* | 0.0984 \*\*\* |
|  | (0.0228) | (0.0285) | (0.0283) | (0.0282) |
| SomeCol | 0.1701 \*\*\* | 0.2007 \*\*\* | 0.2035 \*\*\* | 0.2135 \*\*\* |
|  | (0.0248) | (0.0314) | (0.0311) | (0.031) |
| CollegeGrad | 0.1136 \*\* | 0.114 \* | 0.1151 \* | 0.1448 \*\* |
|  | (0.0383) | (0.0465) | (0.0461) | (0.0466) |
| CollegePlus | 0.0137 | -0.0046 | 0.0054 | 0.0011 |
|  | (0.0613) | (0.0726) | (0.0721) | (0.0729) |
| Score | 0.0036 \*\*\* | 0.0043 \*\*\* | 0.0045 \*\*\* | 0.0044 \*\*\* |
|  | (0.0004) | (0.0005) | (0.0005) | (0.0005) |
| Tenure | -0.0012 \*\*\* | -0.0012 \*\*\* | -0.0013 \*\*\* | 0.0002 |
|  | (0.0002) | (0.0002) | (0.0002) | (0.0002) |
| Experience | 0.0004 \*\*\* | 0.0001 | 0.0003 \*\* | 0.0004 \*\*\* |
|  | (0.0001) | (0.0001) | (0.0001) | (0.0001) |
| AvgHealth | -0.0256 | -0.0156 | -0.0086 | -0.0089 |
|  | (0.0181) | (0.0209) | (0.0207) | (0.0207) |
| PoorHealth | -0.0334 | -0.0086 | 0.0026 | 0.0035 |
|  | (0.0268) | (0.0315) | (0.0313) | (0.0312) |
| NorthCentral | -0.0604 \* | -0.0591 ^ | -0.099 \*\* | -0.1044 \*\* |
|  | (0.0251) | (0.0326) | (0.0324) | (0.0323) |
| NorthEast | -0.1224 \*\*\* | -0.1475 \*\*\* | -0.2209 \*\*\* | -0.2241 \*\*\* |
|  | (0.0274) | (0.0356) | (0.0356) | (0.0355) |
| South | -0.0254 | -0.0341 | -0.0888 \*\* | -0.0931 \*\* |
|  | (0.0227) | (0.0295) | (0.0295) | (0.0294) |
| UnempRate |  |  | -0.074 \*\*\* | -0.0762 \*\*\* |
|  | (0.0066) | (0.0066) |
| SearchCount |  |  | -0.0591 \*\*\* | -0.0564 \*\*\* |
|  | (0.0047) | (0.0047) |
| Forced |  |  | -0.4774 \*\*\* | -0.2479 \* |
|  | (0.101) | (0.1036) |
| Ended |  |  | -0.4172 \*\*\* | -0.204 \*\*\* |
|  | (0.0545) | (0.0582) |
| Illness |  |  | -0.043 | 0.2133 |
|  | (0.2734) | (0.2753) |
| Quit |  |  | -0.3432 \*\*\* | -0.123 \* |
|  | (0.0533) | (0.0565) |
| Union |  |  |  | 0.0197 |
|  | (0.0663) |
| Occupation | No | No | No | Yes |
| Industry | No | No | No | Yes |
| Num. obs. | 16,210 | 16,210 | 16,210 | 16,210 |
| AIC | 280525.50 | 279727.70 | 279379.30 | 279276.20 |
| BIC | 280694.70 | 291123.30 | 290285.70 | 290173.60 |
| LogLik | -140240.70 | -140925.50 | -140925.50 | -138221.70 |
| Intercept SD | - | 0.4011 | 0.3852 | 0.3776 |
| Significance Levels: ^=10%, \*=5%, \*\*=2.5%, \*\*\* 1%. Frailty modeled with Gaussian distribution and models estimated with *coxph* and *coxme* command in R. Standard errors in parathesis. Intercept SD indicates the standard deviation of the mixed effect constant terms estimated according to frailty across individual respondent (ID) and loglikelihood testing the significance of the random effects are all significant at the highest level. | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table 4 | | | | |
|  | Female | | Male | |
| w/o Interactions | w/ Interactions | w/o Interactions | w/ Interactions |
| Overweight | -0.0442 | -0.1241 \* | -0.0307 | -0.0466 |
| (0.0342) | (0.0526) | (0.0305) | (0.0432) |
| Obese | -0.1295 \*\*\* | -0.1964 \*\*\* | -0.0703 ^ | -0.0436 |
| (0.0352) | (0.054) | (0.0372) | (0.0547) |
| Age | -0.033 \*\*\* | -0.0337 \*\*\* | -0.0567 \*\*\* | -0.057 \*\*\* |
| (0.0071) | (0.0071) | (0.007) | (0.007) |
| Black | -0.2108 \*\*\* | -0.2858 \*\*\* | -0.1494 \*\*\* | -0.1574 \*\* |
| (0.0401) | (0.0525) | (0.0392) | (0.05) |
| Black X Overweight | - | 0.1647 \* | - | 0.0561 |
| (0.0763) | (0.0679) |
| Black X Obese | - | 0.1294 ^  (0.076) | - | -0.0429 |
| (0.082) |
| Hispanic | -0.0217  (0.0434) | -0.0678  (0.0572) | -0.0245 | -0.0071 |
| (0.0415) | (0.0599) |
| Hispanic X Overweight | - | 0.0988 | - | -0.0119 |
|  | (0.092) | (0.0818) |
| Hispanic X Obese | - | 0.1018  (0.0919) | - | -0.0548 |
|  | (0.0934) |
| Married | 0.0198  (0.0405) | 0.0205  (0.0404) | 0.072 | 0.0727 |
| (0.0483) | (0.0483) |
| Separated | -0.1194 ^ | -0.1102 | 0.0388 | 0.0369 |
| (0.0698) | (0.0697) | (0.0894) | (0.0894) |
| Child6 | -0.013 | -0.0112 | 0.0073 | 0.0073 |
| (0.0171) | (0.0171) | (0.0214) | (0.0214) |
| FamIncome | 0.0262 \*\*\* | 0.026 \*\*\* | 0.003 | 0.003 |
| (0.0059) | (0.0059) | (0.0049) | (0.0049) |
| HS | 0.0845 \* | 0.08 ^ | 0.1206 \*\* | 0.1199 \*\* |
| (0.0424) | (0.0424) | (0.0381) | (0.0381) |
| SomeCol | 0.1902 \*\*\* | 0.1862 \*\*\* | 0.2445 \*\*\* | 0.2433 \*\*\* |
| (0.0447) | (0.0447) | (0.0438) | (0.0438) |
| CollegeGrad | 0.1178 ^ | 0.1133 ^ | 0.1801 \*\* | 0.1809 \*\* |
| (0.0654) | (0.0654) | (0.068) | (0.068) |
| CollegePlus | -0.088 | -0.0999 | 0.1285 | 0.1303 |
| (0.0989) | (0.099) | (0.1101) | (0.1102) |
| Score | 0.0049 \*\*\* | 0.0049 \*\*\* | 0.0039 \*\*\* | 0.0039 \*\*\* |
| (0.0007) | (0.0007) | (0.0006) | (0.0006) |
| Tenure | 0.0004 | 0.0004 | 0.0001 | 0.0001 |
| (0.0003) | (0.0003) | (0.0003) | (0.0003) |
| Experience | 0.0002 | 0.0002 | 0.0006 \*\*\* | 0.0006 \*\*\* |
| (0.0002) | (0.0002) | (0.0001) | (0.0001) |
| AvgHealth | 0.002 | 0.0019 | -0.0128 | -0.0128 |
| (0.0292) | (0.0291) | (0.0297) | (0.0297) |
| PoorHealth | 0.0443 | 0.0424 | -0.0438 | -0.0435 |
| (0.043) | (0.043) | (0.046) | (0.046) |
| NorthCentral | -0.0489 | -0.0497 | -0.148 \*\*\* | -0.1477 \*\*\* |
| (0.0476) | (0.0475) | (0.0443) | (0.0443) |
| NorthEast | -0.1972 \*\*\* | -0.197 \*\*\* | -0.2408 \*\*\* | -0.2411 \*\*\* |
| (0.0521) | (0.052) | (0.0488) | (0.0488) |
| South | -0.0411 | -0.0416 | -0.132 \*\* | -0.1318 \*\* |
| (0.0426) | (0.0425) | (0.0412) | (0.0412) |
| UnempRate | -0.0736 \*\*\* | -0.0739 \*\*\* | -0.0806 \*\*\* | -0.0806 \*\*\* |
| (0.0096) | (0.0096) | (0.0091) | (0.0091) |
| SearchCount | -0.0627 \*\*\* | -0.0629 \*\*\* | -0.0505 \*\*\* | -0.0504 \*\*\* |
| (0.0069) | (0.0069) | (0.0065) | (0.0065) |
| Forced | 0.009 | 0.0194 | -0.4354 \*\* | -0.4284 \*\* |
| (0.1478) | (0.1478) | (0.1465) | (0.1465) |
| Ended | -0.1815 ^ | -0.1775 ^ | -0.2343 \*\* | -0.2331 \*\* |
| (0.0945) | (0.0944) | (0.0747) | (0.0747) |
| Illness | 0.1652 | 0.1571 | 0.1614 | 0.1602 |
| (0.3999) | (0.3998) | (0.3875) | (0.3872) |
| Quit | -0.1448 ^ | -0.1412 ^ | -0.1135 | -0.1126 |
| (0.0855) | (0.0854) | (0.0765) | (0.0765) |
| Union | 0.0574 | 0.0563 | -0.0025 | -0.003 |
| (0.112) | (0.112) | (0.0829) | (0.0829) |
| Num. obs. | 7,902 | 7,902 | 8,308 | 8,308 |
| AIC | 124792.20 | 124796.10 | 132073.70 | 132078.90 |
| BIC | 129835.60 | 129823.80 | 137389.70 | 137405.90 |
| LogLik | -61673.00 | -61677.25 | -65280.12 | -65281.18 |
| Intercept SD | 0.3805 | 0.3781 | 0.3780 | 0.3774 |
| Significance Levels: ^=10%, \*=5%, \*\*=2.5%, \*\*\* 1%. Frailty modeled with Gaussian distribution and models estimated with *coxph* and *coxme* command in R. Standard errors in parathesis. Intercept SD indicates the standard deviation of the mixed effect constant terms estimated according to frailty across individual respondent (ID) and the null hypothesis of zero random effects is rejected at the highest significance level via a loglikelihood test utilizing the integrated loglikelihood.. Industry and occupation fixed effects used in all estimations. | | | | |

**Table 4**

**BMI Classification Interacted with Sex and Race**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Female** | **Male** | **White** | **Hispanic** | **Black** |
| **Normal BMI** | -0.0972\*\* | REF | REF | 0.0352 | 0.2376\*\*\* |
|  | (0.0300) | (0.0416) | (0.0370) |
| **Overweight BMI** | -0.0535 | 0.0283 | 0.0770\* | 0.0682 | 0.2198\*\*\* |
|  | (0.0344) | (0.0272) | (0.0300) | (0.0446) | (0.0395) |
| **Obese BMI** | 0.0284 | 0.1015\*\* | 0.1393\*\*\* | 0.1323\*\* | 0.3272\*\*\* |
|  | (0.0357) | (0.0356) | (0.0376) | (0.0485) | (0.0418) |

\*\*\* denotes significance at 0.1%, \*\* denotes significance at 1%, and \* denotes significance at 5%. Columns one and two are part of one estimate while columns three, four, and five are part of a separate estimate. Other coefficients are available upon request.

**Table 3**

**Duration model with job and labor market factors**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Parametric** | **Parametric – Lagged** | **Cox PH** | **Parametric** | **Parametric - Lagged** |
| Overweight | 0.0340 | 0.0557\*\* | -0.0398 | 0.0354 | 0.0498\* |
|  | (0.0206) | (0.0204) | (0.0226) | (0.0204) | (0.0202) |
| Obese | 0.1195\*\*\* | 0.1000\*\*\* | -0.1031\*\*\* | 0.1142\*\*\* | 0.0932\*\*\* |
|  | (0.0250) | (0.0250) | (0.0253) | (0.0248) | (0.0248) |
| Female | -0.0829\*\*\* | -0.0779\*\*\* | 0.0666\*\* | -0.0874\*\*\* | -0.0819\*\*\* |
|  | (0.0233) | (0.0234) | (0.0221) | (0.0235) | (0.0236) |
| Age | 0.0247\*\*\* | 0.0305\*\*\* | -0.0411\*\*\* | 0.0271\*\*\* | 0.0335\*\*\* |
|  | (0.0043) | (0.0044) | (0.0048) | (0.0043) | (0.0044) |
| Married | -0.0405 | -0.0424 | 0.0504 | -0.0388 | -0.0416 |
|  | (0.0278) | (0.0278) | (0.0306) | (0.0276) | (0.0276) |
| Separated | 0.0734 | 0.0589 | -0.0409 | 0.0644 | 0.0471 |
|  | (0.0493) | (0.0492) | (0.0544) | (0.0492) | (0.0490) |
| Black | 0.2053\*\*\* | 0.2026\*\*\* | -0.1748\*\*\* | 0.2005\*\*\* | 0.1983\*\*\* |
|  | (0.0304) | (0.0305) | (0.0279) | (0.0302) | (0.0303) |
| Hispanic | 0.0155 | 0.0146 | -0.0182 | 0.0137 | 0.0132 |
|  | (0.0323) | (0.0324) | (0.0299) | (0.0321) | (0.0321) |
| Child6 | 0.0053 | 0.0076 | -0.0062 | 0.0070 | 0.0095 |
|  | (0.0116) | (0.0116) | (0.0132) | (0.0115) | (0.0115) |
| GFinc | -0.0109\*\*\* | -0.0118\*\*\* | 0.0141\*\*\* | -0.0121\*\*\* | -0.0132\*\*\* |
|  | (0.0032) | (0.0032) | (0.0038) | (0.0032) | (0.0032) |
| HS | -0.0849\*\* | -0.0704\* | 0.0757\* | -0.0870\*\* | -0.0729\* |
|  | (0.0293) | (0.0294) | (0.0301) | (0.0290) | (0.0292) |
| SomeCol | -0.1300\*\*\* | -0.1412\*\*\* | 0.1447\*\*\* | -0.1322\*\*\* | -0.1443\*\*\* |
|  | (0.0344) | (0.0346) | (0.0354) | (0.0342) | (0.0344) |
| CollegePlus | -0.1172\*\*\* | -0.1467\*\*\* | 0.1353\*\*\* | -0.1091\*\*\* | -0.1413\*\*\* |
|  | (0.0318) | (0.0324) | (0.0335) | (0.0316) | (0.0321) |
| Score | -0.0054\*\*\* | -0.0050\*\*\* | 0.0046\*\*\* | -0.0054\*\*\* | -0.0050\*\*\* |
|  | (0.0005) | (0.0005) | (0.0005) | (0.0005) | (0.0005) |
| Ten | 0.0010\*\*\* | 0.0010\*\*\* | 0.0002 | -0.0004\* | -0.0005\* |
|  | (0.0002) | (0.0002) | (0.0002) | (0.0002) | (0.0002) |
| Exp | 0.0001 | 0.0001 | 0.0004\*\*\* | 0.0000 | -0.0000 |
|  | (0.0001) | (0.0001) | (0.0001) | (0.0001) | (0.0001) |
| Average | -0.0101 | -0.0078 | -0.0071 | -0.0104 | -0.0078 |
|  | (0.0178) | (0.0179) | (0.0208) | (0.0177) | (0.0178) |
| Poor | -0.0525 | -0.0499 | 0.0054 | -0.0566\* | -0.0545\* |
|  | (0.0272) | (0.0273) | (0.0313) | (0.0271) | (0.0271) |
| NorCen | -0.1154\*\* | -0.1190\*\* | 0.1234\*\*\* | -0.1130\*\* | -0.1168\*\* |
|  | (0.0360) | (0.0362) | (0.0344) | (0.0357) | (0.0359) |
| South | -0.1197\*\*\* | -0.1184\*\*\* | 0.1346\*\*\* | -0.1180\*\*\* | -0.1166\*\*\* |
|  | (0.0326) | (0.0328) | (0.0312) | (0.0324) | (0.0325) |
| West | -0.1972\*\*\* | -0.1929\*\*\* | 0.2330\*\*\* | -0.1998\*\*\* | -0.1950\*\*\* |
|  | (0.0368) | (0.0370) | (0.0355) | (0.0365) | (0.0367) |
| URATE | 0.0736\*\*\* | 0.0691\*\*\* | -0.0785\*\*\* | 0.0753\*\*\* | 0.0706\*\*\* |
|  | (0.0054) | (0.0055) | (0.0066) | (0.0054) | (0.0054) |
| UNION | 0.0490 | 0.0131 | 0.0180 | -0.0087 | -0.0496 |
|  | (0.0534) | (0.0534) | (0.0663) | (0.0546) | (0.0548) |
| SearchCT | 0.0472\*\*\* | 0.0458\*\*\* | -0.0566\*\*\* | 0.0446\*\*\* | 0.0432\*\*\* |
|  | (0.0040) | (0.0040) | (0.0047) | (0.0040) | (0.0040) |
| Forced | 0.4636\*\*\* | 0.4478\*\*\* | -0.2450\* | 0.2467\*\* | 0.2278\*\* |
|  | (0.0809) | (0.0807) | (0.1038) | (0.0825) | (0.0823) |
| Ended | 0.4108\*\*\* | 0.4177\*\*\* | -0.2022\*\*\* | 0.2042\*\*\* | 0.2048\*\*\* |
|  | (0.0444) | (0.0444) | (0.0581) | (0.0474) | (0.0474) |
| Illness | 0.1187 | 0.1448 | 0.2224 | -0.1435 | -0.1287 |
|  | (0.2125) | (0.2150) | (0.2739) | (0.2109) | (0.2128) |
| Quit | 0.3093\*\*\* | 0.3086\*\*\* | -0.1273\* | 0.0936\* | 0.0916\* |
|  | (0.0436) | (0.0436) | (0.0566) | (0.0461) | (0.0461) |
| Log(scale) | -0.3270\*\*\* | -0.3318\*\*\* |  | -0.3336\*\*\* | -0.3385\*\*\* |
|  | (0.0067) | (0.0067) |  | (0.0067) | (0.0067) |
| (Intercept) | 1.6167\*\*\* | 1.5126\*\*\* |  | 1.7502\*\*\* | 1.6504\*\*\* |
|  | (0.0924) | (0.0936) |  | (0.2278) | (0.2272) |
| Industry FE | NO | NO | YES | YES | YES |
| Occupation FE | NO | NO | YES | YES | YES |
| AIC | 107644.9211 | 106140.5574 | 279300.5577 | 107505.6264 | 105994.7576 |
| BIC | 132135.5496 | 130375.5881 |  | 132088.7167 | 130300.9573 |
| Log Likelihood | -50639.1241 | -49914.4060 |  | -50557.4584 | -49832.2385 |
| Num. obs. | 16210 | 15984 | 16210 | 16210 | 15984 |

\*\*\* denotes significance at 0.1%, \*\* denotes significance at 1%, and \* denotes significance at 5%.