|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table 2: Models of Unemployment Duration with only BMI Classifications** | | | | |
|  | (1) | (2) | (3) | (4) |
| Overweight | -0.1161\*\*\* | -0.1102\*\*\* | -0.1538\*\*\* | -0.1417\*\*\* |
|  | (0.0189) | (0.0228) | (0.0231) | (0.0281) |
| Obese | -0.2086\*\*\* | -0.1368\*\*\* | -0.2989\*\*\* | -0.2039\*\*\* |
|  | (0.0194) | (0.0233) | (0.0255) | (0.03) |
| Num. obs. | 16,210 | 11,218 | 16,210 | 11,218 |
| AIC | 281732 | 186757.70 | 280616.70 | 185932.90 |
| BIC | 281747.40 | 186772.40 | 293503.60 | 195019.60 |
| LogLik | -140864.00 | -93376.85 | -140925.50 | -93398.52 |
| Intercept SD |  |  | 0.4520 | 0.4704 |
| 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 and intercept SD indicates the standard deviation of the mixed effect constant terms estimated according to frailty across individual respondent (ID). | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) |
| Overweight | -0.0481 \* | -0.0457 \* | -0.0406 ^ | -0.0409 ^ |
|  | (0.0191) | (0.0228) | (0.0226) | (0.0226) |
|  |  |  |  |  |
|  |  |  |  |  |
| Obese | -0.1049 \*\*\* | -0.1049 \*\*\* | -0.1131 \*\*\* | -0.106 \*\*\* |
|  | (0.0203) | (0.0257) | (0.0254) | (0.0253) |
|  |  |  |  |  |
|  |  |  |  |  |
| Female | 0.0541 \*\* | 0.0541 \*\*\* | 0.0638 \*\* | 0.0672 \*\* |
|  | (0.0167) | (0.0219) | (0.0216) | (0.0221) |
| Age | -0.0672 \*\*\* | -0.0672 \*\*\* | -0.0409 \*\*\* | -0.0444 \*\*\* |
|  | (0.0037) | (0.0044) | (0.0049) | (0.0049) |
| Black | -0.1577 \*\*\* | -0.1577 \*\*\* | -0.181 \*\*\* | -0.1785 \*\*\* |
|  | (0.0211) | (0.0282) | (0.0279) | (0.0278) |
| Hispanic | -0.0128 | -0.0128 | -0.0233 | -0.0205 |
|  | (0.0231) | (0.0304) | (0.0299) | (0.0298) |
| Married | 0.0563 \* | 0.0563 ^ | 0.0499 | 0.0517 ^ |
|  | (0.0259) | (0.0309) | (0.0306) | (0.0306) |
| Separated | -0.0548 | -0.0548 | -0.0514 | -0.0389 |
|  | (0.0456) | (0.0547) | (0.0544) | (0.0544) |
| Child6 | -0.0025 | -0.0025 | -0.0044 | -0.0058 |
|  | (0.0112) | (0.0132) | (0.0132) | (0.0131) |
| FamIncome | 0.0094 \*\* | 0.0094 \*\* | 0.0116 \*\* | 0.0133 \*\*\* |
|  | (0.0033) | (0.0038) | (0.0038) | (0.0038) |
| HS | 0.0669 \*\* | 0.0669 \*\* | 0.0869 \*\* | 0.0984 \*\*\* |
|  | (0.0228) | (0.0285) | (0.0283) | (0.0282) |
| SomeCol | 0.1701 \*\*\* | 0.1701 \*\*\* | 0.2035 \*\*\* | 0.2135 \*\*\* |
|  | (0.0248) | (0.0314) | (0.0311) | (0.031) |
| CollegeGrad | 0.1136 \*\* | 0.1136 \* | 0.1151 \* | 0.1448 \*\* |
|  | (0.0383) | (0.0465) | (0.0461) | (0.0466) |
| CollegePlus | 0.0137 | 0.0137 | 0.0054 | 0.0011 |
|  | (0.0613) | (0.0726) | (0.0721) | (0.0729) |
| Score | 0.0036 \*\*\* | 0.0036 \*\*\* | 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 \*\*\* | 0.0004 | 0.0003 \*\* | 0.0004 \*\*\* |
|  | (0.0001) | (0.0001) | (0.0001) | (0.0001) |
| AvgHealth | -0.0256 | -0.0256 | -0.0086 | -0.0089 |
|  | (0.0181) | (0.0209) | (0.0207) | (0.0207) |
| PoorHealth | -0.0334 | -0.0334 | 0.0026 | 0.0035 |
|  | (0.0268) | (0.0315) | (0.0313) | (0.0312) |
| NorthCentral | -0.0604 \* | -0.0604 ^ | -0.099 \*\* | -0.1044 \*\* |
|  | (0.0251) | (0.0326) | (0.0324) | (0.0323) |
| NorthEast | -0.1224 \*\*\* | -0.1224 \*\*\* | -0.2209 \*\*\* | -0.2241 \*\*\* |
|  | (0.0274) | (0.0356) | (0.0356) | (0.0355) |
| South | -0.0254 | -0.0254 | -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 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table 4: Models of Unemployment Duration by Sex with Racial Interactions** | | | | |
|  | 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 and intercept SD indicates the standard deviation of the mixed effect constant terms estimated according to frailty across individual respondent (ID). 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%.