| **Informations sur le modèle** |
| --- |
| **Table** | WORK.POID |  |
| **Variable de réponse** | test\_pcs1 |  |
| **Nombre de niveaux de réponse** | 2 |  |
| **Variables du niveau de discrétisation** | taille\_tirage | Taille utilisé lors du tirage d'échantillon |
|  | secteur\_niv2 | secteur en 88 divisions |
| **Nombre de niveaux de discrétisation** | 86 |  |
| **Variable de classe** | numentr | Identifiant de l'entreprise |
| **Nombre de classes** | 463 |  |
| **Variable de pondération** | poids2 |  |
| **Modèle** | Logit binaire |  |
| **Technique d'optimisation** | Scoring de Fisher |  |
| **Ajustement de la variance** | Degrés de liberté (DDL) |  |

| **Estimation de la variance** |
| --- |
| **Méthode** | Série de Taylor |
| **Ajustement de la variance** | Degrés de liberté (DDL) |

|  |  |
| --- | --- |
| **Nb d'observations lues** | 1122 |
| **Nb d'observations utilisées** | 1122 |
| **Somme des poids lus** | 1122.003 |
| **Somme des poids utilisés** | 1122.003 |

| **Profil de réponse** |
| --- |
| **Valeurordonnée** | **test\_pcs1** | **Fréquencetotale** | **Poidstotal** |
| **1** | 0 | 681 | 739.19934 |
| **2** | 1 | 441 | 382.80368 |

|  |
| --- |
| ***La probabilité modélisée est test\_pcs1=0.*** |

| **Informations sur les niveaux de classe** |
| --- |
| **Classe** | **Valeur** | **Variables d'expérience** |
| **sexe2** | **1** | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **2** | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **f101x** | **1** | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **2** | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **sect** | **1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **2** | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **3** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **4** | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **5** | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **6** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **7** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **8** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **9** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **10** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **11** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **12** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  |  |  |  |  |  |  |
|  | **13** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
|  | **14** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |  |  |  |  |  |  |  |
|  | **15** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **pcs2x** | **23** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **31** | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **34** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **35** | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **37** | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **38** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **42** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **43** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **46** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **47** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **48** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **52** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **53** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **54** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **55** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **56** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
|  | **62** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
|  | **63** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **64** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
|  | **65** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
|  | **67** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
|  | **68** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **taille\_esex** | **2** | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **3** | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **contrat\_travailx** | **1** | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **2** | 1 | 0 | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **3** | 0 | 1 | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **4** | 0 | 0 | 1 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **5** | 0 | 0 | 0 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| **Etat de convergence du modèle** |
| --- |
| Critère de convergence (GCONV=1E-8) respecté. |

| **Statistique d'ajustement du modèle** |
| --- |
| **Critère** | **Constante uniquement** | **Constante et Covariables** |
| **AIC** | 1442.235 | 1178.116 |
| **SC** | 1447.258 | 1399.122 |
| **-2 Log L** | 1440.235 | 1090.116 |

| **Test de l'hypothèse nulle globale : BETA=0** |
| --- |
| **Test** | **Valeur F** | **DLL num.** | **DLL den.** | **Pr > F** |
| **Rapport de vrais** | 5.68 | 22.9239 | 8642.30 | <.0001 |
| **Score** | 1.94 | 43 | 335 | 0.0007 |
| **Wald** | 11.33 | 43 | 335 | <.0001 |
| **NOTE: Second-order Rao-Scott design correction 0.8758 applied to the Likelihood Ratio test.** |

| **Analyse des effets Type 3** |
| --- |
| **Effet** | **Valeur F** | **DLL num.** | **DLL den.** | **Pr > F** |
| **f101x** | 3.40 | 1 | 377 | 0.0658 |
| **sect** | 3.02 | 14 | 364 | 0.0002 |
| **sexe2** | 0.28 | 1 | 377 | 0.6002 |
| **agex** | 0.92 | 1 | 377 | 0.3368 |
| **pcs2x** | 18.42 | 21 | 357 | <.0001 |
| **taille\_esex** | 0.74 | 1 | 377 | 0.3886 |
| **contrat\_travailx** | 5.30 | 4 | 374 | 0.0004 |

| **Analyse des valeurs estimées du maximum de vraisemblance** |
| --- |
| **Paramètre** |  | **Estimation** | **Erreurtype** | **Valeur du test t** | **Pr > |t|** |
| **Intercept** |  | 1.9501 | 0.7995 | 2.44 | 0.0152 |
| **f101x** | **2** | -0.5349 | 0.2899 | -1.84 | 0.0658 |
| **sect** | **1** | 1.7801 | 1.2098 | 1.47 | 0.1420 |
| **sect** | **2** | 1.1614 | 0.7001 | 1.66 | 0.0980 |
| **sect** | **3** | 0.2215 | 0.8756 | 0.25 | 0.8005 |
| **sect** | **4** | -2.4267 | 1.1236 | -2.16 | 0.0314 |
| **sect** | **5** | -0.6862 | 0.5054 | -1.36 | 0.1753 |
| **sect** | **6** | 0.1779 | 0.4826 | 0.37 | 0.7126 |
| **sect** | **7** | 0.2602 | 0.4616 | 0.56 | 0.5733 |
| **sect** | **8** | 1.0534 | 0.6673 | 1.58 | 0.1153 |
| **sect** | **9** | 0.7450 | 0.7658 | 0.97 | 0.3312 |
| **sect** | **10** | 1.3636 | 0.4920 | 2.77 | 0.0059 |
| **sect** | **11** | 2.3380 | 0.7560 | 3.09 | 0.0021 |
| **sect** | **12** | 0.2359 | 1.2767 | 0.18 | 0.8535 |
| **sect** | **14** | 2.1339 | 0.7712 | 2.77 | 0.0059 |
| **sect** | **15** | -0.0806 | 0.5963 | -0.14 | 0.8926 |
| **sexe2** | **2** | 0.1544 | 0.2943 | 0.52 | 0.6002 |
| **agex** |  | 0.0132 | 0.0137 | 0.96 | 0.3368 |
| **pcs2x** | **23** | -2.9427 | 1.0439 | -2.82 | 0.0051 |
| **pcs2x** | **31** | -2.2426 | 1.7099 | -1.31 | 0.1905 |
| **pcs2x** | **34** | 12.1039 | 1.1176 | 10.83 | <.0001 |
| **pcs2x** | **35** | -3.0305 | 1.1167 | -2.71 | 0.0070 |
| **pcs2x** | **37** | -0.8137 | 0.8965 | -0.91 | 0.3646 |
| **pcs2x** | **38** | -2.0522 | 0.8777 | -2.34 | 0.0199 |
| **pcs2x** | **42** | -3.6501 | 1.7310 | -2.11 | 0.0356 |
| **pcs2x** | **43** | -2.2370 | 1.0858 | -2.06 | 0.0401 |
| **pcs2x** | **46** | -3.7055 | 0.9345 | -3.97 | <.0001 |
| **pcs2x** | **47** | -1.5592 | 0.9099 | -1.71 | 0.0874 |
| **pcs2x** | **48** | -1.6272 | 1.2482 | -1.30 | 0.1931 |
| **pcs2x** | **52** | -2.1737 | 1.0543 | -2.06 | 0.0399 |
| **pcs2x** | **53** | -2.3706 | 0.9276 | -2.56 | 0.0110 |
| **pcs2x** | **54** | -1.9768 | 0.8180 | -2.42 | 0.0161 |
| **pcs2x** | **55** | -2.6115 | 0.8148 | -3.21 | 0.0015 |
| **pcs2x** | **56** | -4.0510 | 0.9024 | -4.49 | <.0001 |
| **pcs2x** | **62** | 0.2429 | 1.1463 | 0.21 | 0.8323 |
| **pcs2x** | **64** | -0.0847 | 1.1245 | -0.08 | 0.9400 |
| **pcs2x** | **65** | -1.9501 | 0.9538 | -2.04 | 0.0416 |
| **pcs2x** | **67** | -3.5503 | 1.0157 | -3.50 | 0.0005 |
| **pcs2x** | **68** | -1.4688 | 0.8983 | -1.64 | 0.1029 |
| **taille\_esex** | **2** | -0.2735 | 0.3168 | -0.86 | 0.3886 |
| **contrat\_travailx** | **2** | 0.9155 | 0.3325 | 2.75 | 0.0062 |
| **contrat\_travailx** | **3** | 3.5829 | 0.9169 | 3.91 | 0.0001 |
| **contrat\_travailx** | **4** | -0.0967 | 0.6551 | -0.15 | 0.8827 |
| **contrat\_travailx** | **5** | 0.3299 | 0.6610 | 0.50 | 0.6180 |
| **NOTE: The degrees of freedom for the t tests is 377.** |

| **Estimation du rapport de cotes** |
| --- |
| **Effet** | **Estimation du point** | **95% Confidence Limits** |
| **f101x 2 vs 1** | 0.586 | 0.331 | 1.036 |
| **sect 1 vs 13** | 5.930 | 0.549 | 64.008 |
| **sect 2 vs 13** | 3.194 | 0.806 | 12.654 |
| **sect 3 vs 13** | 1.248 | 0.223 | 6.980 |
| **sect 4 vs 13** | 0.088 | 0.010 | 0.805 |
| **sect 5 vs 13** | 0.503 | 0.186 | 1.360 |
| **sect 6 vs 13** | 1.195 | 0.463 | 3.086 |
| **sect 7 vs 13** | 1.297 | 0.523 | 3.215 |
| **sect 8 vs 13** | 2.867 | 0.772 | 10.649 |
| **sect 9 vs 13** | 2.106 | 0.467 | 9.495 |
| **sect 10 vs 13** | 3.910 | 1.486 | 10.289 |
| **sect 11 vs 13** | 10.360 | 2.343 | 45.814 |
| **sect 12 vs 13** | 1.266 | 0.103 | 15.586 |
| **sect 14 vs 13** | 8.448 | 1.854 | 38.490 |
| **sect 15 vs 13** | 0.923 | 0.286 | 2.980 |
| **sexe2 2 vs 1** | 1.167 | 0.654 | 2.082 |
| **agex** | 1.013 | 0.986 | 1.041 |
| **pcs2x 23 vs 63** | 0.053 | 0.007 | 0.411 |
| **pcs2x 31 vs 63** | 0.106 | 0.004 | 3.063 |
| **pcs2x 34 vs 63** | >999.999 | >999.999 | >999.999 |
| **pcs2x 35 vs 63** | 0.048 | 0.005 | 0.434 |
| **pcs2x 37 vs 63** | 0.443 | 0.076 | 2.583 |
| **pcs2x 38 vs 63** | 0.128 | 0.023 | 0.721 |
| **pcs2x 42 vs 63** | 0.026 | <0.001 | 0.782 |
| **pcs2x 43 vs 63** | 0.107 | 0.013 | 0.903 |
| **pcs2x 46 vs 63** | 0.025 | 0.004 | 0.154 |
| **pcs2x 47 vs 63** | 0.210 | 0.035 | 1.258 |
| **pcs2x 48 vs 63** | 0.196 | 0.017 | 2.286 |
| **pcs2x 52 vs 63** | 0.114 | 0.014 | 0.904 |
| **pcs2x 53 vs 63** | 0.093 | 0.015 | 0.579 |
| **pcs2x 54 vs 63** | 0.139 | 0.028 | 0.692 |
| **pcs2x 55 vs 63** | 0.073 | 0.015 | 0.364 |
| **pcs2x 56 vs 63** | 0.017 | 0.003 | 0.103 |
| **pcs2x 62 vs 63** | 1.275 | 0.134 | 12.145 |
| **pcs2x 64 vs 63** | 0.919 | 0.101 | 8.384 |
| **pcs2x 65 vs 63** | 0.142 | 0.022 | 0.928 |
| **pcs2x 67 vs 63** | 0.029 | 0.004 | 0.212 |
| **pcs2x 68 vs 63** | 0.230 | 0.039 | 1.346 |
| **taille\_esex 2 vs 3** | 0.761 | 0.408 | 1.418 |
| **contrat\_travailx 2 vs 1** | 2.498 | 1.299 | 4.803 |
| **contrat\_travailx 3 vs 1** | 35.979 | 5.930 | 218.293 |
| **contrat\_travailx 4 vs 1** | 0.908 | 0.250 | 3.292 |
| **contrat\_travailx 5 vs 1** | 1.391 | 0.379 | 5.102 |
| **NOTE: The degrees of freedom in computing the confidence limits is 377.** |

| **Association des probabilités prédites et des réponses observées** |
| --- |
| **Pourcentage concordant** | 71.6 | **D de Somers** | 0.434 |
| **Pourcentage discordant** | 28.2 | **Gamma** | 0.435 |
| **Pourcentage lié** | 0.3 | **Tau-a** | 0.207 |
| **Paires** | 300321 | **c** | 0.717 |