**SENSE-EGRA Dataset Variable Description Table**

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| --- | --- | --- | --- | --- |
| **Variable name** | **Variable meaning** | **Coded meaning** | **Variable type in SCM model** | **Variable type in dataset** |
|  | Students state of origin/residence: | 0 for Adamawa and 1 for Gombe | Input feature | Binary Nominal |
|  | Local Government Area of origin/residence | 0 for Akko  1 for Balanga  2 for Billiri  3 for Dukku  4 for Funakay  5 for Gombe  6 for Kaltungo  7 for Kwami  8 for Nafada  9 for Shongo  10 for Yamaltu Deba  11 for FUFORE  12 for GUYUK  13 for GANYE  14 for HONG  15 for MICHIKA  16 for MUBI South  17 for NUMAN  18 for SHELLENG  19 for SONG  20 for TOUNGO  21 for YOLA SOUTH  22 for YOLA NORTH  (note: LGA 11-22 spelt with upper cases are in Adamawa, while the remain in lower cases are in Gombe) | Input feature | Multiple Nominal |
|  | Name of primary school where pupils were selected from | O for Bagadaza Primary School  1 for Kundulum Primary School  2 for BURUNDE PRIMARY SCHOOL  3 for KEMBU Primary Schoo  4 for BALANGA PRIMARY SCHOOL  5 for BORMI PRIMARY SCHOOL  6 for BANGU PRIMARY SCHOOL  7 for LAMUGU PRIMARY SCHOOL  8 for LAKUKDU PRIMARY SCHOOL  9 for KULGUL PRIMARY SCHOOL  10 for BILLIRI PRIMARY SCHOOL  11 for BALURU PRIMARY SCHOOL  12 for ADAMU SAMBO PRIMARY SCHOOL  13 for GANDU PRIMARY SCHOOL I  14 for BAJOGA SOURTH PRIMARY SCHOOL  15 for BAGE PRIMARY SCHOOL II PRIMARY SCHOOL  16 for BODOR PRIMARY SCHOOL  17 for MANAWACHI PRIMARY SCHOOL  18 for GANDU PRIMARY SCHOOL II  19 for SABON GARIN JAURO ABARE PRIMARY SCHOOL  20 for KAGARAWAL PRIMARY SCHOOL  21 for WURO LADDE PRIMARY SCHOOL  22 for JAURO GOTEL PRIMARY SCHOOL  23 for KALARIN PRIMARY SCHOOL  24 for LAKANJE PRIMARY SCHOOL  25 for NASARAWA PRIMARY SCHOOL  26 for DABAN FULANI PRIMARY SCHOOL  27 for MALLERIN PRIMARY SCHOOL  28 for KOMFULATA PRIMARY SCHOOL  29 for DAKUL PRIMARY SCHOOL  30 for BARWO SABON GARI PRIMARY SCHOOL  31 for KONAN NAFADA PRIMARY SCHOOL  32 for WAKILIN ILIMI NAFADA PRIMARY  33 for KULISHIN PRIMARY SCHOOL  34 for LALAIPIDO PRIMARY SCHOOL  35 for GIDIM WAZIRI PRIMARY SCHOOL  36 for ARDON DEBA PRIMARY SCHOOL  37 for ASAS NURSERY AND PRIMARY SCHOOL  38 for TOLBA CENTRAL PRIMARY SCHOOL  39 for JAUROJI PRIMARY SCHOOL  40 for AREWA PRIMARY SCHOOL  41 for BOGO PRIMARY SCHOOL  42 for AKKO PRIMARY SCHOOL  43 for SABARA LOLU PRIMARY SCHOOL  44 for SABARA LOLU PRIMARY SCHOOL DEGRI NOM PRIMARY SCHOOL  45 for DAKAWAL NOM PRIMARY SCHOOL  46 for KAYATU PRIMARY SCHOOL  47 for TAL PRIMARY SCHOOL  48 for TODI PRIMARY SCHOOL  49 for IBINOLA PRIMARY SCHOOL  50 for GONA PRIMARY SCHOOL  51 for NIGERIA/KOREA PRIMARY SCHOOL  52 for FAMILY SUPPORT PRIMARY SCHOOL  53 for GIRL CHILD PRI. SCH. BAJOGA  54 for CENTRAL PRI. SCH. BAJOGA  55 for JALINGO PRIMARY SCHOOL  56 for BAGE PILOT PRIMARY SCHOOL  57 for MUAZU NUR PRIMARY SCHOOL  58 for MALAM-INNA PRIMARY SCHOOL  59 for JEKADAFARI PRIMARY SCHOOL  60 for IDI PRIMARY SCHOOL  61 for PANTAMI PRIMARY SCHOOL  62 for GABUKKA PRIMARY SCHOOL  63 for UMAR MEMORIAL PRIMARY SCHOOL  64 for Kurungu Primary School  65 for LEA PRIMARY SCHOOL  66 for GERKWAMI PRIMARY SCHOOL  67 for BODUJE PILOT DCIENCE PRIMARY SCHOOL  68 for TUMBUSHI PRIMARY SCHOOL  69 for BOMALA PRIMARY SCHOOL  70 for BIRIN BOLAWA PRIMARY  71 for BIRIN BOLAWA NORTH PRIMARY  72 for NAFADA WEST PRIMARY SCHOOL  73 for BOH CENTRAL PRIMARY SCHOOL  74 for FILIYA PRIMARY SCHOOL  75 for DEBA MODEL PRIMARY SCHOOL  76 for BELLO CENTRAL PRI.SCH. D/KOWA  77 for DEBA CENTRAL PRIMARY SCHOOL  78 for NEW LIJI PRIMARY SCHOOL  79 for BAKARI DUKKU PRIMARY SCHOOL  80 for Hirnage Primary School  81 for Bongire Primary School  82 for Ardo Primary School  83 for Jagira Primary School  84 for Lakumna Primary School  85 for Gorotoro Primary School  86 for Gwanah Primary School  87 for Gundenyi Primary School  88 for Gamu primary school  89 for Dabora primary school  90 for Pessi primary school  91 for Suggu 2 primary school  92 for Gangbun Primary school  93 for Gang-Audu primary school  94 for Kwabaktina Primary School  95 for Thabu Primary School  96 for Kukurpu Primary School  97 for Shargui Primary School  98 for Ngalbi Primary School  99 for Chasdewol Primary School  100 for Pastha Primary School  101 for TC Demonstration Primary School  102 for Tighimi Primary School  103 for Barkin DLaka Primary School  104 for Kuzum Primary School  105 Yambule Primary School  106 for Army Children School 107 for Gerewol Primary School  108 for Girpata Primary School  109 for Gwalem Primary school  110 for Muhda Primary School  111 for Kwapuakai Primary School  112 for Hodilura Primary School  113 for Bare Primary School  114 for Pare Girls Primary School  115 for Jigawa primary school  116 for Garin Audu Primary School  117 for Bokayeki Primary School  118 for Boburo Primary School  119 for Gombeyel Primary School  120 for Gundo Primary School  121 for Talum Primary School  122 for Bolki Primary School  123 for Bungu Primary School  124 for Gulungo Primary School  125 for Moroma Primary School  126 for Maraba Dumne Primary School  127 for Mayobagbag primary school  128 for Burati primary school  129 for Taski Wambai primary school  130 for Naya Primary school  131 for T.C Demonstration Primary School  132 for Shagari Primary School  133 for Mustafa Primary School  134 for Yelwa Primary School  135 for Hammawa Primary School  136 for Wuro Hausa Primary School  137 for Damare Primary School  138 for Rumde Jabbi Primary School  139 for Yolde Pate Primary School  140 for Parda Primary School  141 for Sabon Gari Girl Child Primary School  142 for Wuro Yolde Primary School  143 for Margire Primary School  144 for Central Premiry School Fufore  145 for Banjiram I Primary School  146 for BURMI Primary School  147 for Central Primary School Guyuk  148 for Hinjari Girls Primary School  149 for Guyuk II Nursery Primary School  150 for Gangyibenso Primary School  151 for Ganye I Primary School  152 for Ganye Iv Primary School  153 for Sangassumi Primary School  154 for Sangassumi Primary School  155 for Ganye II Primary School  156 for Pella I Primary School  157 for Waja Girls Primary School  158 for Banshika Primary School  159 for UBA Central Primary School  160 for Central Primary School  161 for Jiddel Primary School  162 for Delchim Primary School  163 for Central Primary School Michika  164 for Jigilambu Primary School  165 for Moda Primary school  166 for Sebore Primary School  167 for Wuro Bulude Primary School  168 for Kwacham Primary School  169 for Sabon Pegi Primary School  170 for Gaya Primary School  171 for John Holt Primary School  172 for Numan I Primary School  173 Numan III Primary School  174 for Sabon Pegi Primary School  175 for Central Primary School  176 for Dalwa Primary School  177 for Gwagarap Primary School  178 for Jumbul Primary School  179 for Shelleng II Primary School  180 for KALURGU Primary School  181 for Prof J Amin Primary School  182 for Burawo Primary School  183 for Kelele Primary School  184 for Loko Resttlement Primary School  185 for Murke Primary School  186 for Kiri Primary School  187 for Toungo III Primary School  188 for Dalasun Primary School  189 for Metan Primary School  190 for Toungo I Primary School  191 for Bekaji Primary School  192 for Damilu II Primary School  193 for Demsawo Primary School  194 for Central Primary School Hong  195 for Nyibango Primary School  196 for Jambutu Primary School  197 for Doubeli Primary School  198 for Army Children School  199 for Majalisa Primary School  200 for Karewa Primary School  201 for Bundu Primary School  202 for Bobini Primary School  203 for Jibril Aminu Primary School  204 for CENTRAL PRIMARY SCHOOL FUNAKAYE  205 for DEMONSTRATION PRIMARY SCHOOL  206 for BOKAKEKI PRIMARY SCHOOL  207 for ARDO HAMMANTUKUR MEMORIAL NUR. AND PRIMARY SCHOOL  208 for Central Primary School Numan  209 for | Input feature | Multiple Nominal |
|  | Whether or not a school received the SENSE-EGRA intervention | 0 for schools that did not receive the SENSE intervention  1 for schools that received the SENSE intervention (**used as treatment**) | Treatment variable | Binary Nominal |
|  | Gender or sex of a student | 0 for male students and  1 for female students | Input feature | Binary Nominal |
|  | Ages of students | A numeric scaler variable | Input feature | Scalar |
|  | Whether or not a student lives with his/her parents | 0 for Yes, with both parents  1 for Yes, with father  2 for Yes, with mother  3 for No, with neither mother nor father  4 for I don't know/prefer not to answer | Input feature | Multiple Nominal |
|  | Language spoken at home by the pupil | 0 for English  1 for Fulfulde  2 for Hausa  3 for Others | Input feature | Multiple Nominal |
|  | Other languages spoken at home, option 1 | 0 for English  1 for Fulfulde  2 for Hausa  3 for Others | Input feature | Multiple Nominal |
|  | Other languages spoken at home, option 2 | 0 for English  1 for Fulfulde  2 for Hausa  3 for Others | Input feature | Multiple Nominal |
|  | Other languages spoken at home, option 3 | 0 for English  1 for Fulfulde  2 for Hausa  3 for Others | Input feature | Multiple Nominal |
|  | Other languages spoken at home, option 4 | 0 for English  1 for Fulfulde  2 for Hausa  3 for Others | Input feature | Multiple Nominal |
|  | Number of people living with pupil (with pupil included) | A numeric scaler expected | Input feature | Scalar |
|  | Parent reading and writing literacy level | 0 for Yes can read & write  1 for No cannot read & write  3 for I don't know/ prefer not to answer | Input feature (X) | Multiple Nominal |
|  | Number of books at parent house | 0 for between 1-5  1 for between 6-10  2 for between 11-20  3 for between 21-50  4 for more than 50  5 for none  6 for I don't know/ prefer not to answer | Input feature | Multiple Nominal |
|  | Whether a pupil has gone for a whole day in a week without eating | 0 for yes  1 for No  2 for I don't know/ prefer not to answer | Input feature | Multiple Nominal |
|  | Number of letters identified correctly | Value generated based teachers assessment | Assessment variable | Scalar |
|  | Number of letter items attempted | Value generated based teachers assessment | Assessment variable | Scalar |
|  | Number of letters identified correctly per minute | Value generated based teachers assessment using EGRA tool kits | Outcome variable | Scalar |