XgBoost:

Training fold 1 [23:47:36] WARNING: /workspace/src/objective/regression\_obj.cu:152: reg:linear is now deprecated in favor of reg:squarederror. [0] validation\_0-rmse:0.446519 [1] validation\_0-rmse:0.40187 [2] validation\_0-rmse:0.361687 [3] validation\_0-rmse:0.325522 [4] validation\_0-rmse:0.292968 [5] validation\_0-rmse:0.263673 [6] validation\_0-rmse:0.237308 [7] validation\_0-rmse:0.213579 [8] validation\_0-rmse:0.192223 [9] validation\_0-rmse:0.173003 [10] validation\_0-rmse:0.155705 [11] validation\_0-rmse:0.140137 [12] validation\_0-rmse:0.126126 [13] validation\_0-rmse:0.113516 [14] validation\_0-rmse:0.102167 [15] validation\_0-rmse:0.091953 [16] validation\_0-rmse:0.08276 [17] validation\_0-rmse:0.074487 [18] validation\_0-rmse:0.067042 [19] validation\_0-rmse:0.060341 [20] validation\_0-rmse:0.05431 [21] validation\_0-rmse:0.048883 [22] validation\_0-rmse:0.043999 [23] validation\_0-rmse:0.039603 [24] validation\_0-rmse:0.035648 [25] validation\_0-rmse:0.032088 [26] validation\_0-rmse:0.028885 [27] validation\_0-rmse:0.026002 [28] validation\_0-rmse:0.023409 [29] validation\_0-rmse:0.021075 [30] validation\_0-rmse:0.018975 [31] validation\_0-rmse:0.017086 [32] validation\_0-rmse:0.015387 [33] validation\_0-rmse:0.013858 [34] validation\_0-rmse:0.012484 [35] validation\_0-rmse:0.011248 [36] validation\_0-rmse:0.010136 [37] validation\_0-rmse:0.009138 [38] validation\_0-rmse:0.00824 [39] validation\_0-rmse:0.007434 [40] validation\_0-rmse:0.00671 [41] validation\_0-rmse:0.006061 [42] validation\_0-rmse:0.005479 [43] validation\_0-rmse:0.004957 [44] validation\_0-rmse:0.00449 [45] validation\_0-rmse:0.004073 [47] validation\_0-rmse:0.003368 [48] validation\_0-rmse:0.003073 [49] validation\_0-rmse:0.002811 [50] validation\_0-rmse:0.00258 [51] validation\_0-rmse:0.002376 [52] validation\_0-rmse:0.002196 [53] validation\_0-rmse:0.002039 [54] validation\_0-rmse:0.001902 [55] validation\_0-rmse:0.001783 [56] validation\_0-rmse:0.001681 [57] validation\_0-rmse:0.001593 [58] validation\_0-rmse:0.001517 [59] validation\_0-rmse:0.001453 [60] validation\_0-rmse:0.001398 [61] validation\_0-rmse:0.001353 [62] validation\_0-rmse:0.001315 [63] validation\_0-rmse:0.001283 [64] validation\_0-rmse:0.001256 [65] validation\_0-rmse:0.001233 [66] validation\_0-rmse:0.001215 [67] validation\_0-rmse:0.0012 [68] validation\_0-rmse:0.001187 [69] validation\_0-rmse:0.001177 [70] validation\_0-rmse:0.001167 [71] validation\_0-rmse:0.00116 [72] validation\_0-rmse:0.001154 [73] validation\_0-rmse:0.001149 [74] validation\_0-rmse:0.001145 [75] validation\_0-rmse:0.001141 [76] validation\_0-rmse:0.001138 [77] validation\_0-rmse:0.001135 [78] validation\_0-rmse:0.001133 [79] validation\_0-rmse:0.001131 [80] validation\_0-rmse:0.00113 [81] validation\_0-rmse:0.001128 [82] validation\_0-rmse:0.001126 [83] validation\_0-rmse:0.001125 [84] validation\_0-rmse:0.001124 [85] validation\_0-rmse:0.001123 [86] validation\_0-rmse:0.001122 [87] validation\_0-rmse:0.001122 [88] validation\_0-rmse:0.001121 [89] validation\_0-rmse:0.00112 [90] validation\_0-rmse:0.001119 [91] validation\_0-rmse:0.001118 [92] validation\_0-rmse:0.001118 [93] validation\_0-rmse:0.001117 [94] validation\_0-rmse:0.001117 [95] validation\_0-rmse:0.001116 [96] validation\_0-rmse:0.001115 [97] validation\_0-rmse:0.001115 [98] validation\_0-rmse:0.001114 [99] validation\_0-rmse:0.001114 y\_true = [[0.0013654 ] [0.00727886] [0.00741345] [0.00328966] [0.00253149]] y\_pred = [0.00172013 0.00896454 0.00765178 0.00482661 0.00307596] Training fold 2 [23:51:37] WARNING: /workspace/src/objective/regression\_obj.cu:152: reg:linear is now deprecated in favor of reg:squarederror. [0] validation\_0-rmse:0.446509 [1] validation\_0-rmse:0.401861 [2] validation\_0-rmse:0.361676 [3] validation\_0-rmse:0.325509 [4] validation\_0-rmse:0.292958 [5] validation\_0-rmse:0.263663 [6] validation\_0-rmse:0.237296 [7] validation\_0-rmse:0.213568 [8] validation\_0-rmse:0.192212 [9] validation\_0-rmse:0.172992 [10] validation\_0-rmse:0.155693 [11] validation\_0-rmse:0.140124 [12] validation\_0-rmse:0.126113 [13] validation\_0-rmse:0.113503 [14] validation\_0-rmse:0.102154 [15] validation\_0-rmse:0.09194 [16] validation\_0-rmse:0.082748 [17] validation\_0-rmse:0.074475 [18] validation\_0-rmse:0.06703 [19] validation\_0-rmse:0.060329 [20] validation\_0-rmse:0.054299 [21] validation\_0-rmse:0.048872 [22] validation\_0-rmse:0.043988 [23] validation\_0-rmse:0.039593 [24] validation\_0-rmse:0.035637 [25] validation\_0-rmse:0.032077 [26] validation\_0-rmse:0.028874 [27] validation\_0-rmse:0.025992 [28] validation\_0-rmse:0.023399 [29] validation\_0-rmse:0.021065 [30] validation\_0-rmse:0.018965 [31] validation\_0-rmse:0.017077 [32] validation\_0-rmse:0.015378 [33] validation\_0-rmse:0.01385 [34] validation\_0-rmse:0.012475 [35] validation\_0-rmse:0.01124 [36] validation\_0-rmse:0.010129 [37] validation\_0-rmse:0.009131 [38] validation\_0-rmse:0.008234 [39] validation\_0-rmse:0.007428 [40] validation\_0-rmse:0.006705 [41] validation\_0-rmse:0.006056 [42] validation\_0-rmse:0.005474 [43] validation\_0-rmse:0.004953 [44] validation\_0-rmse:0.004487 [45] validation\_0-rmse:0.004071 [46] validation\_0-rmse:0.003699 [47] validation\_0-rmse:0.003368 [48] validation\_0-rmse:0.003074 [49] validation\_0-rmse:0.002813 [50] validation\_0-rmse:0.002582 [51] validation\_0-rmse:0.002379 [52] validation\_0-rmse:0.0022 [53] validation\_0-rmse:0.002044 [54] validation\_0-rmse:0.001908 [55] validation\_0-rmse:0.001791 [56] validation\_0-rmse:0.001689 [57] validation\_0-rmse:0.001602 [58] validation\_0-rmse:0.001528 [59] validation\_0-rmse:0.001464 [60] validation\_0-rmse:0.001411 [61] validation\_0-rmse:0.001367 [62] validation\_0-rmse:0.00133 [63] validation\_0-rmse:0.001299 [64] validation\_0-rmse:0.001273 [65] validation\_0-rmse:0.001251 [66] validation\_0-rmse:0.001233 [67] validation\_0-rmse:0.001219 [68] validation\_0-rmse:0.001207 [69] validation\_0-rmse:0.001197 [70] validation\_0-rmse:0.001188 [71] validation\_0-rmse:0.001182 [72] validation\_0-rmse:0.001176 [73] validation\_0-rmse:0.001171 [74] validation\_0-rmse:0.001167 [75] validation\_0-rmse:0.001164 [76] validation\_0-rmse:0.001161 [77] validation\_0-rmse:0.001159 [78] validation\_0-rmse:0.001157 [79] validation\_0-rmse:0.001155 [80] validation\_0-rmse:0.001154 [81] validation\_0-rmse:0.001152 [82] validation\_0-rmse:0.001151 [83] validation\_0-rmse:0.00115 [84] validation\_0-rmse:0.001148 [85] validation\_0-rmse:0.001148 [86] validation\_0-rmse:0.001147 [87] validation\_0-rmse:0.001146 [88] validation\_0-rmse:0.001145 [89] validation\_0-rmse:0.001145 [90] validation\_0-rmse:0.001144 [91] validation\_0-rmse:0.001143 [92] validation\_0-rmse:0.001143 [93] validation\_0-rmse:0.001143 [94] validation\_0-rmse:0.001142 [95] validation\_0-rmse:0.001142 [96] validation\_0-rmse:0.001142 [97] validation\_0-rmse:0.001141 [98] validation\_0-rmse:0.001141 [99] validation\_0-rmse:0.00114 y\_true = [[0.00296639] [0.00186788] [0.00472586] [0.00410819] [0.00408923]] y\_pred = [0.00376454 0.00246152 0.00466222 0.0042105 0.00480092] Training fold 3 [23:55:31] WARNING: /workspace/src/objective/regression\_obj.cu:152: reg:linear is now deprecated in favor of reg:squarederror. [0] validation\_0-rmse:0.446517 [1] validation\_0-rmse:0.401868 [2] validation\_0-rmse:0.361685 [3] validation\_0-rmse:0.32552 [4] validation\_0-rmse:0.292968 [5] validation\_0-rmse:0.263673 [6] validation\_0-rmse:0.237307 [7] validation\_0-rmse:0.213578 [8] validation\_0-rmse:0.192222 [9] validation\_0-rmse:0.173002 [10] validation\_0-rmse:0.155703 [11] validation\_0-rmse:0.140134 [12] validation\_0-rmse:0.126122 [13] validation\_0-rmse:0.113513 [14] validation\_0-rmse:0.102163 [15] validation\_0-rmse:0.091949 [16] validation\_0-rmse:0.082756 [17] validation\_0-rmse:0.074483 [18] validation\_0-rmse:0.067037 [19] validation\_0-rmse:0.060336 [20] validation\_0-rmse:0.054305 [21] validation\_0-rmse:0.048878 [22] validation\_0-rmse:0.043993 [23] validation\_0-rmse:0.039598 [24] validation\_0-rmse:0.035642 [25] validation\_0-rmse:0.032082 [26] validation\_0-rmse:0.028879 [27] validation\_0-rmse:0.025997 [28] validation\_0-rmse:0.023403 [29] validation\_0-rmse:0.021069 [30] validation\_0-rmse:0.018969 [31] validation\_0-rmse:0.01708 [32] validation\_0-rmse:0.015381 [33] validation\_0-rmse:0.013852 [34] validation\_0-rmse:0.012477 [35] validation\_0-rmse:0.011242 [36] validation\_0-rmse:0.01013 [37] validation\_0-rmse:0.009131 [38] validation\_0-rmse:0.008234 [39] validation\_0-rmse:0.007428 [40] validation\_0-rmse:0.006704 [41] validation\_0-rmse:0.006054 [42] validation\_0-rmse:0.005472 [43] validation\_0-rmse:0.00495 [44] validation\_0-rmse:0.004483 [45] validation\_0-rmse:0.004066 [46] validation\_0-rmse:0.003693 [47] validation\_0-rmse:0.003361 [48] validation\_0-rmse:0.003066 [49] validation\_0-rmse:0.002804 [50] validation\_0-rmse:0.002572 [51] validation\_0-rmse:0.002367 [52] validation\_0-rmse:0.002187 [53] validation\_0-rmse:0.00203 [54] validation\_0-rmse:0.001893 [55] validation\_0-rmse:0.001773 [56] validation\_0-rmse:0.001671 [57] validation\_0-rmse:0.001583 [58] validation\_0-rmse:0.001507 [59] validation\_0-rmse:0.001443 [60] validation\_0-rmse:0.001389 [61] validation\_0-rmse:0.001343 [62] validation\_0-rmse:0.001305 [63] validation\_0-rmse:0.001273 [64] validation\_0-rmse:0.001246 [65] validation\_0-rmse:0.001224 [66] validation\_0-rmse:0.001206 [67] validation\_0-rmse:0.00119 [68] validation\_0-rmse:0.001177 [69] validation\_0-rmse:0.001167 [70] validation\_0-rmse:0.001157 [71] validation\_0-rmse:0.00115 [72] validation\_0-rmse:0.001144 [73] validation\_0-rmse:0.001139 [74] validation\_0-rmse:0.001135 [75] validation\_0-rmse:0.001132 [76] validation\_0-rmse:0.001129 [77] validation\_0-rmse:0.001127 [78] validation\_0-rmse:0.001124 [79] validation\_0-rmse:0.001122 [80] validation\_0-rmse:0.001121 [81] validation\_0-rmse:0.00112 [82] validation\_0-rmse:0.001119 [83] validation\_0-rmse:0.001118 [84] validation\_0-rmse:0.001118 [85] validation\_0-rmse:0.001117 [86] validation\_0-rmse:0.001116 [87] validation\_0-rmse:0.001115 [88] validation\_0-rmse:0.001115 [89] validation\_0-rmse:0.001114 [90] validation\_0-rmse:0.001113 [91] validation\_0-rmse:0.001113 [92] validation\_0-rmse:0.001113 [93] validation\_0-rmse:0.001112 [94] validation\_0-rmse:0.001112 [95] validation\_0-rmse:0.001111 [96] validation\_0-rmse:0.00111 [97] validation\_0-rmse:0.001109 [98] validation\_0-rmse:0.001109 [99] validation\_0-rmse:0.001108 y\_true = [[0.00434116] [0.02735412] [0.00254246] [0.00518155] [0.00355455]] y\_pred = [0.00482857 0.01663575 0.0038552 0.0046761 0.00431269]