|  |  |
| --- | --- |
| abbreviation | annotation |
| lbmd | bone mineral density of lumbar spine |
| lt | T-scores of lumbar spine |
| lz | Z-scores of lumbar spine |
| fnbmd | bone mineral density of femoral neck |
| fnt | T-scores of femoral neck |
| fz | Z-scores of lumbar spine |
| hipbmd | bone mineral density of total hip |
| hipt | T-scores of total hip |
| hipz | Z-scores of total hip |

Codebook of raw data

|  |  |
| --- | --- |
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| lbmd | bone mineral density of lumbar spine |
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| fnbmd | bone mineral density of femoral neck |
| fnt | T-scores of femoral neck |
| fz | Z-scores of lumbar spine |
| hipbmd | bone mineral density of total hip |
| hipt | T-scores of total hip |
| hipz | Z-scores of total hip |

Notes for the second categorical variable

|  |  |
| --- | --- |
| categorical variable | annotation |
| gender | 0 represents female, 1 represents male. |
| sport | 0 represents no exercise, 1 represents exercise |
| alcohol\_history | 0 represents no history of alcohol, 1 represents a history of alcohol. |
| alcohol\_frequency | 0 represents infrequent drinking and 1 represents frequent drinking. |
| dalliy\_alcohol | 0 represents no daily alcohol consumption, 1 represents daily alcohol consumption. |
| current\_tnf\_i | 0 represents no current use of TNF-α inhibitors, 1 represents current use of TNF-α inhibitors. |
| current\_cdmards | 0 represents no use of DMARDs currently, and 1 represents current use of DMARDs. |
| current\_nsaids | 0 represents no current use of NSAIDs, 1 represents current use of NSAIDs. |
| family\_history | 0 indicates no family history, 1 indicates family history. |
| ever\_smoking | 0 represents no smoking history, 1 represents smoking history. |
| current\_smoking | 0 represents non-smoker, 1 represents current smoker. |
| hla\_b27 | 0 represents HLA-B27 negative, 1 represents HLA-B27 positive. |
| hipinvolvement | 0 represents no involvement of hip joint, and 1 represents involvement of hip joint. |