|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Age** | **Sex** | **Height** | **Weight** | **BMI** | **Obes** | **DM** | **Met** | **HTN** | **HPL** | **TG** | **CHOL** | **HDL** | **LDL** | **VDL** | **AST** | **ALT** | **LS\_US** | **LS\_Bi** |
| **Age** | 1.00 | -0.06 | -0.08 | -0.23 | -0.21 | 0.51 | 0.32 | 0.37 | 0.43 | 0.24 | 0.15 | 0.03 | 0.04 | -0.04 | 0.15 | 0.10 | -0.01 | 0.10 | 0.05 |
| **Sex** | -0.06 | 1.00 | -0.70 | -0.34 | 0.02 | -0.10 | -0.12 | -0.20 | -0.16 | -0.06 | -0.12 | 0.09 | 0.30 | 0.05 | -0.11 | -0.17 | -0.32 | -0.15 | -0.10 |
| **Height** | -0.08 | -0.70 | 1.00 | 0.48 | -0.03 | -0.04 | 0.04 | 0.11 | 0.12 | 0.04 | 0.08 | -0.12 | -0.24 | -0.10 | 0.08 | 0.09 | 0.19 | 0.11 | 0.02 |
| **Weight** | -0.23 | -0.34 | 0.48 | 1.00 | 0.86 | 0.21 | -0.06 | -0.01 | 0.05 | -0.06 | 0.01 | -0.05 | -0.15 | -0.02 | 0.00 | -0.01 | 0.02 | 0.03 | 0.03 |
| **BMI** | -0.21 | 0.02 | -0.03 | 0.86 | 1.00 | 0.27 | -0.08 | -0.07 | -0.02 | -0.09 | -0.02 | 0.01 | -0.04 | 0.03 | -0.03 | -0.06 | -0.09 | -0.03 | 0.03 |
| **Obes** | 0.51 | -0.10 | -0.04 | 0.21 | 0.27 | 1.00 | 0.15 | 0.17 | 0.24 | 0.12 | 0.09 | 0.00 | 0.02 | -0.06 | 0.09 | 0.04 | -0.02 | 0.15 | 0.07 |
| **DM** | 0.32 | -0.12 | 0.04 | -0.06 | -0.08 | 0.15 | 1.00 | 0.61 | 0.31 | 0.28 | 0.23 | -0.01 | -0.16 | -0.02 | 0.22 | 0.15 | 0.16 | 0.13 | 0.13 |
| **Met** | 0.37 | -0.20 | 0.11 | -0.01 | -0.07 | 0.17 | 0.61 | 1.00 | 0.56 | 0.46 | 0.43 | 0.04 | -0.37 | 0.01 | 0.44 | 0.14 | 0.17 | 0.14 | 0.18 |
| **HTN** | 0.43 | -0.16 | 0.12 | 0.05 | -0.02 | 0.24 | 0.31 | 0.56 | 1.00 | 0.23 | 0.16 | 0.01 | -0.06 | -0.02 | 0.16 | 0.14 | 0.15 | 0.11 | 0.10 |
| **HPL** | 0.24 | -0.06 | 0.04 | -0.06 | -0.09 | 0.12 | 0.28 | 0.46 | 0.23 | 1.00 | 0.50 | 0.44 | -0.13 | 0.37 | 0.50 | 0.15 | 0.13 | 0.09 | 0.05 |
| **TG** | 0.15 | -0.12 | 0.08 | 0.01 | -0.02 | 0.09 | 0.23 | 0.43 | 0.16 | 0.50 | 1.00 | 0.31 | -0.35 | 0.09 | 0.99 | 0.10 | 0.13 | 0.11 | 0.24 |
| **CHOL** | 0.03 | 0.09 | -0.12 | -0.05 | 0.01 | 0.00 | -0.01 | 0.04 | 0.01 | 0.44 | 0.31 | 1.00 | 0.27 | 0.88 | 0.29 | 0.08 | 0.05 | -0.03 | 0.04 |
| **HDL** | 0.04 | 0.30 | -0.24 | -0.15 | -0.04 | 0.02 | -0.16 | -0.37 | -0.06 | -0.13 | -0.35 | 0.27 | 1.00 | 0.12 | -0.37 | -0.06 | -0.15 | -0.18 | -0.16 |
| **LDL** | -0.04 | 0.05 | -0.10 | -0.02 | 0.03 | -0.06 | -0.02 | 0.01 | -0.02 | 0.37 | 0.09 | 0.88 | 0.12 | 1.00 | 0.06 | 0.07 | 0.05 | -0.02 | -0.01 |
| **VDL** | 0.15 | -0.11 | 0.08 | 0.00 | -0.03 | 0.09 | 0.22 | 0.44 | 0.16 | 0.50 | 0.99 | 0.29 | -0.37 | 0.06 | 1.00 | 0.10 | 0.13 | 0.12 | 0.23 |
| **AST** | 0.10 | -0.17 | 0.09 | -0.01 | -0.06 | 0.04 | 0.15 | 0.14 | 0.14 | 0.15 | 0.10 | 0.08 | -0.06 | 0.07 | 0.10 | 1.00 | 0.78 | 0.20 | 0.21 |
| **ALT** | -0.01 | -0.32 | 0.19 | 0.02 | -0.09 | -0.02 | 0.16 | 0.17 | 0.15 | 0.13 | 0.13 | 0.05 | -0.15 | 0.05 | 0.13 | 0.78 | 1.00 | 0.24 | 0.30 |
| **LS\_US** | 0.10 | -0.15 | 0.11 | 0.03 | -0.03 | 0.15 | 0.13 | 0.14 | 0.11 | 0.09 | 0.11 | -0.03 | -0.18 | -0.02 | 0.12 | 0.20 | 0.24 | 1.00 | 0.52 |
| **LS\_Bi** | 0.05 | -0.10 | 0.02 | 0.03 | 0.03 | 0.07 | 0.13 | 0.18 | 0.10 | 0.05 | 0.24 | 0.04 | -0.16 | -0.01 | 0.23 | 0.21 | 0.30 | 0.52 | 1.00 |