

### **Detailed Code Book of 8 Selected Features and Target:**

1) Target - Having Diabetes 1, Not Having Diabetes 0

2) GenHlth - Would you say that in general your health is: scale 1-5

5 = excellent

4 = very good

3 = good

2 = fair

1 = poor

3) MentHlth - Now thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good? scale 1-30 days

4) PhysHlth - Now thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good? scale 1-30 days

5) Age - 13-level age category

Age 18-24: 1

Age 25-29: 2

Age 30-34: 3

Age 35-39: 4

Age 40-44: 5

Age 45-49: 6

Age 50-54: 7

Age 55-59: 8

Age 60-64: 9

Age 65-69: 10

Age 70-74: 11

Age 75-79: 12

Age 80 or older: 13

6) Education - scale 1-6

1 = Never attended school or only kindergarten

2 = Grades 1 through 8 (Elementary)

3 = Grades 9 through 11 (Some high school)

4 = Grade 12 or GED (High school graduate)

5 = College 1 year to 3 years (Some college or technical school)

6 = College 4 years or more (College graduate)

7) Income - Income scale 1-8 1 = less than \$10,000 5 = less than \$35,000 8 = \$75,000 or more

Less than \$10,000: 1

\$10,000 - \$16,249: 2

\$16,250 - \$22,499: 3

\$22,500 - \$28,749: 4

\$28,750 - \$34,999: 5

\$35,000 - \$54,999: 6

\$55,000 - \$74,999: 7

\$75,000 or more: 8

8) BMI is in a continuous discrete scale between 12 and 90, and people with higher BMI have more chance of diabetes

9) High BP - It is binary, people with High BP or not. People with High BP have more chance of diabetes and people with less BP have low chance of diabetes Rich Neighborhood