Classification using training dataset only

Legend:
- $h(X) < 0$ (green dashed)
- $h(X) = 0$ (black solid)
- $h(X) > 0$ (blue dashed)

x_2 (vertical axis), x_1 (horizontal axis)
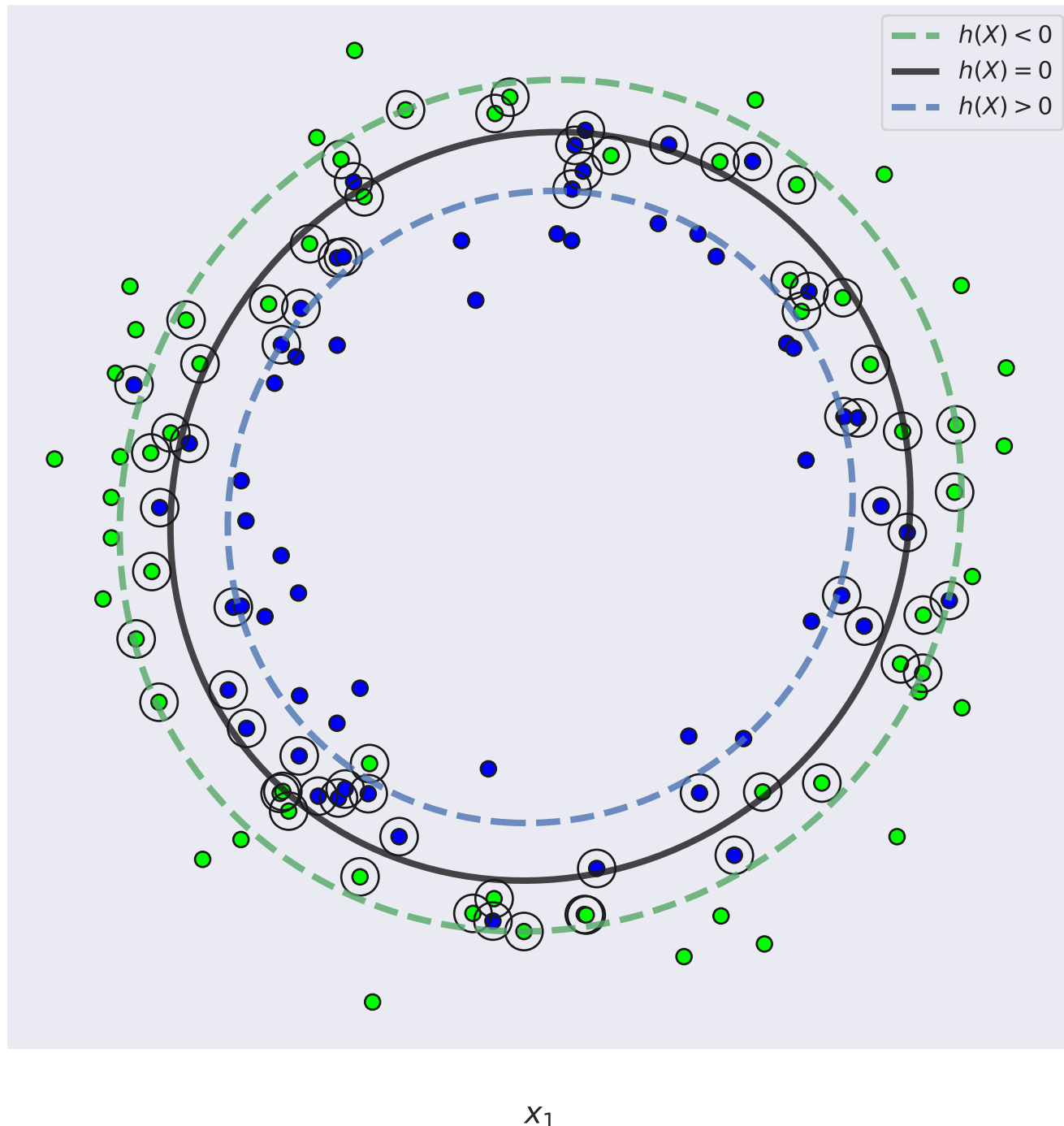
Classification using complete dataset

x_2 (vertical axis), x_1 (horizontal axis)