There will be one surprising fact about conditions for a minimizer.

Convexity. (Briefly!)

Multidimensional Taylor series for specific functions that are commonly used. We'll also see "test functions" or conditions.

Multidimensional optimality conditions.

Major goal today: quick coverage of univariate functions.

Office hours on Wed. or Friday 4-5pm?

HW2 posted.

Lecture 5
Let $f_0$ be a point $HCXO$.

Is $f_0$ a local min off? No!