The general idea

• Using a raspberry pi, or some other form of low cost computer, and a camera, we can produce an estimated amount of time a new customer would have to wait for service.

• No visual information would have to be stored, after analyzing the image, smaller data could be passed to a server for any remaining calculation.

• Users would be able to see nearby restaurants on a web page and the associated times to wait that go with it.

• Google has a function very similar to this, however it takes data from previous weeks to see when the hotspots are. Instead, this tool would be live, and would then work on holidays or big sale days.
Wishlist

• For sit-down-type restaurants, your estimated time would not be as evident by a line out the door.

• Hosts from the restaurant would be able to have direct input in the estimated time. This could be done with a button press per group done, or inputting an average time a customer has to wait.

• Depending on system restraints, some calculation may have to be done on the server side, which would require uploading more data over a potentially slow or insecure network.