Neal Jawadekar Mark Henderson Tyler Brown Dylan Portelance

**Food Inspections Grading Rubric**

* The purpose of this rubric is to translate Boston’s publicly available food inspection violation data (based on \*, \*\*, & \*\*\* violation levels) into letter grades (A, B, C, D, & F).
* This rubric takes into account only the past 5 years (since March 3, 2010) of documented food inspections violation data.

**Key**

count\_3 = Number of food inspection violations, violation level \*\*\*, since 3/3/2010

count\_2 = Number of food inspection violations, violation level \*\*, since 3/3/2010

count\_1 = Number of food inspection violations, violation level \*, since 3/3/2010

**Logic**

(1) IF count\_3 >= 9 [85th percentile] THEN **GRADE = ‘F’;**

(2) ELSE IF count\_3 >= 6 [75th percentile] OR count\_2 >= 4 [85th percentile] THEN **GRADE = ‘D’;**

(3) ELSE IF count\_3 >= 4 [65th percentile] OR count\_2 >= 2 [75th percentile] OR

count\_1 >= 42 [85th percentile] THEN **GRADE = ‘C’;**

(4) ELSE IF count\_3 >= 2 [45th percentile] OR count\_2 >= 1 [55th percentile] OR

count\_1 >= 23 [65th percentile] THEN **GRADE = ‘B’;**

(5) ELSE **GRADE = ‘A’;**

**In plain English:**

Dating back to March 3, 2010:

∙ Restaurants with greater than 8 level \*\*\* violations received a grade of an ‘F.’

∙ Restaurants with between 6 and 8 level \*\*\* violations or greater than 3 level \*\* violations received a grade of a ‘D.’

∙ Restaurants with between 4 and 5 level \*\*\* violations or 2 level \*\* violations or greater than 41 level \* violations received a grade of a ‘C.’

∙ Restaurants with between 2 and 3 level \*\*\* violations or 1 level \*\* violations or greater than 22 level \* violations received a grade of a ‘B.’

∙ Restaurants with less than 2 level \*\*\* violations and less than 1 level \*\* violations and less than 23 level \* violations received a grade of an ‘A.’

Note: The threshold violation counts set above were based on percentile values, relative to all restaurants in the Boston area.