Harrison's method. To be clear, you'll be making nine predictions total. Use 57.6% as the historic leaguewide home field advanatge in the NFL. After making the predictions, reflect both on the process and the results. Which of these sets of numbers do you have the most confidence in? Are there tweaks that can be made to any of these approaches? Would another approach enitrely work even better? In tomorrow's class, I will be especially interested in hearing from those people (Charlie, Tomas, Angus) who did not make a suggestion in class today

Raiders - Bengals

HFA: 7.6%

JD

1) $\frac{10}{7} = 1.4$ 50% - 50%

$\frac{10}{7} = 1.4$

2) Bengals: 100% + 7.6% = 1.076

Raiders: 100% - 7.6% = 0.924

3) B- 1.076 · .5 = 53.8%

R- .924 · .5 = .462%

DB

1) .5 , .5

2) 0%

3) 50% + 50%

HB

$\frac{5}{4} = 1.25$ $\frac{5}{3}$ 1.66

$\frac{1.66}{1.25} = 1.328$

$\frac{1.328}{2.328} =$ 57% Raiders

Bengals 43%

Eagles - Buccaneers

7.6%

QB $\frac{13}{4} = 3.25$ $\frac{9}{8} = 1.125$ $\frac{3.25}{1.125} = 2.88$ Bucs

$\frac{2.88}{3.88} = 74.29\%$

Eagles 25.71%

2) $.7429 \cdot 1.076 = .799$

$.2571 \cdot .924 = .237$

3) $\frac{.799}{1.0368} = 77.1\%$ Bucs $\frac{.237}{1.0368} =$ Raiders 22.9%

DB $\frac{13}{17} = 76\%$ $\frac{9}{17} = 52\%$

$76\% - 52\% = 23.5\% \div 6 = .141$

Bucs $74.29 + 14.1 = 88.391$

Eagles $25.71 - 14.1 = 11.619$

HB $\frac{7}{1} = 7$ $\frac{6}{5} = 2$

$\frac{7}{2} = 3.5$

$\frac{3.5}{4.5} = 77.77\%$ Bucs Win

Cardinals - Rams

$\frac{11}{6} = 1.833$ $\frac{12}{5} = 2.4$

$\frac{2.4}{1.833} = 1.309$ Rams

$\frac{1.309}{2.309} = 56.69\%$

Cardinals 43.31%

2) $.5669 \cdot 1.076 = 61\%$

$.4331 \cdot .924 = 40\%$

$\frac{.61}{1.01} =$ Rams 60.39%

$\frac{.40}{1.01} = 39.61\%$ Cardinals

DB $\frac{12}{17} = 70.59\%$ $\frac{11}{7} = 64.71\%$

$70.59 - 64.71 = .0588$ $\cdot .6 = .03$

Rams $0.05528 + 56.69 = 60.219\%$

Cardinals 39.7620%

HB $\frac{8}{1} = 8$ $\frac{5}{3} = 1.66$

$\frac{8}{1.66} = 4.80$ $\frac{1.66}{8} = .2083$

$\frac{4.80}{5.80} =$ Cardinals 82.58% Rams 17.24%

Cardinals - Rams

11-6 12-5

$\frac{11}{6} = 1.83$ $\frac{12}{5} = 2.4$

$\frac{2.4}{1.83} = 1.309$

$\frac{1.309}{2.309} = 57\%$ for Rams

43% for Cardinals

$1.152 \cdot .57 = 65.664$

$.848 \cdot .43 = 36.464$

$\frac{.65664}{1.02128} =$ Rams 64.29%

Cardinals 35.81%

HW 1/11

Patriots $\frac{11}{6} = 1.833$

Bills $\frac{10}{7} = 1.429$

$\frac{1.833}{1.429} = \frac{1.2833}{2.2833} = 56.2\%$

$\frac{11}{17} = 64.7$ DB

$\frac{10}{17} = .0588$

$.076(1 - 0.0588) =$

$.072$

$+.072 \rightarrow$ 63.35%

43.8% $\rightarrow .072 \rightarrow$ 36.65%

$.438 \cdot .848 = .371424$

$.562 \cdot 1.152 = .647$

$\frac{.647}{1.01} = 63.4\%$ Bills

$\frac{.371}{1.01} = 36.6\%$ Pats

Steelers - Chiefs

$\frac{12}{5} = 2.4$

$\frac{9.5}{7.5} = 1.26$

$\frac{2.4}{1.26} = \frac{1.895}{2.895} = 65.65\%$

$= 34.35$

$1.152 \cdot .6565 = .754$

$.846 \cdot .3435 = .293$

$\frac{.754}{1.05} = 72.02\%$

$\frac{.846}{1.05} = 27.98\%$

$\frac{9.5}{17} = \frac{12}{17}$

$.147$

$.076 \cdot (1 - .147)$

$= .065$

+.065 → 72%

−.065 → 28%

$\frac{12}{17} - \frac{10}{17} = .117$

$.076 \cdot (1 - .117) =$

$.067$

69.4%

30.6%

Cowboys - Vikings

$\frac{12}{5} = 2.4$

Vikings

$\frac{10}{7} = 1.429$

$\frac{2.4}{1.429} = \frac{1.68}{2.68} = 62.69\%$

$= 37.31\%$

+.067

−

$1.152 \cdot .6269 = .722$

$.846 \cdot .3731 = .316$

$\frac{.722}{1.04} = 69.54\%$

$\frac{.316}{1.04} = 30.46\%$