Predicted survival curve Output explanation f(x) = 0.6811.0 +0.45 81 = ageSurvival over time 1998 = sample_yr 1.1 = creatinine-0.011.19 = kappa-0.01 5 = flc group*S*(*t*) -0.01 $0 = sex_isMale$ population 0.2 P25-P75 1.42 = lambda+0.010 = mgus12 10 14 0 8 4 time 0.3 0.4E[f(X)] = 0.3090.6 0.4 0.5 0.7 0.2 Output explanation, interval [0-5] Output explanation, interval [5-10] Output explanation, interval [10-14] f(x) = 0.235f(x) = 0.355f(x) = 0.38+0.17 +0.29 +0.24 81 = age81 = age1998 = sample_yr $1998 = sample_yr$ 1.42 = lambda+0.02 1.1 = creatinine-0.01 $5 = flc_group$ $5 = flc_group$ -0.01 -0.011.19 = kappa1.19 = kappa-0.011.42 = lambda+0.010 = sex_isMale +0.01 0 = sex_isMale 1.1 = creatinine0 = mgus0 = mgus

0.15

0.05

0.10

0.20

E[f(X)] = 0.167

0.25

0.35

0.40

0.30

0.15 E[f(X)] = 0.119

0.20

0.25

0.30

0.35

0.40

0.10

81 = age

1.19 = kappa

1.42 = lambda

 $1.1 = {\it creatinine}$

0 = sex_isMale

 $5 = flc_group$

0 = mgus

0.050 0.075 0.100 0.125 0.150 0.175 0.200 0.225 0.250

E[f(X)] = 0.123

 $1998 = sample_yr$

Time-SHAP explanation