Time-SHAP explanation Predicted survival curve Output explanation f(x) = 0.884+0.56 85 = ageSurvival over time -0.021.138 = creatinine+0.02 2.07 = lambda+0.02 8 = flc_group 1996 = sample_yr +0.01 *S*(*t*) 1.32 = kappa-0.01population 0.2 $1 = sex_isMale$ P25-P75 0 = mgus12 10 14 0 4 8 time 0.3 0.4E[f(X)] = 0.3090.5 0.7 0.8 0.2 0.6 0.9 Output explanation, interval [5-10] Output explanation, interval [0-5] Output explanation, interval [10-14] f(x) = 0.381f(x) = 0.617f(x) = 0.376+0.29 +0.44 +0.19 85 = age85 = age85 = age1.138 = creatinine1.32 = kappa $8 = flc_group$ +0.02 1.138 = creatinine2.07 = lambda $1 = sex_isMale$ -0.01+0.01 +0.02 8 = flc_group 1996 = sample yr2.07 = lambda8 = flc_group +0.01 $1 = sex_isMale$ 1.138 = creatinine+0.01 1996 = sample_yr +0.02 2.07 = lambda1.32 = kappa $1 = sex_isMale$ 1.32 = kappa -0.01 $1996 = sample_yr$ 0 = mgus0 = mgus0 = mgus0.10 0.15E[f(X)] = 0.1190.15 0.2 E[f(X)] = 0.1670.3 0.5 0.20 0.40 0.05 0.20 0.25 0.35 0.25 0.30 0.10 0.30 0.40 0.4 0.6 0.35

E[f(X)] = 0.123