

22 図 $Cov(a+bX,a+bX) = b^2 cov(X,X)$ $= 6^2 \cdot \sqrt{\sum_{i=1}^{N} (x_i - m(x))(x_i - m(x))}$ $\frac{1}{5}$ $\frac{1}$ 0 = b (| | | (x; -m(x)) | | b (| | | | | (xi - m(x)) | Cov(a+bX, a+bX) 4) Yes it is Still a median because a non-decreasing transformation does not affect order in which is what mean is based on. this does not apply to IQR or range however, because unlike median it is actually based on 2 points 5) yes if g() is only increasing, but not necessarily the if otherwise 国