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Let τ be an invertible bimeasurable, measure preserving transformation on a measure space (X, \mathcal{M}, μ) . Consider the operator $Tf = f \circ \tau$. For any positive measurable function g we consider the operator $R_g(f) = gT(fg^{-1})$ and the measure $\mu_g = g d\mu$. It is clear that R_g is Cesáro bounded on $L^p(\mu)$ if and only if T is Cesáro bounded on $L^p(\mu_g)$, $1 \leq p < \infty$. Under the assumption that R_g is Cesáro bounded on $L^p(\mu)$, we will discuss in the talk some results about the a.e. convergence of the averages of R_g and the boundedness of the associated ergodic maximal operator. The results for $1 < p < \infty$ are easily deduced from known results for T in the spaces $L^p(\mu_g)$. That is not the case for $p = 1$, where a new weighted inequality coming from Harmonic Analysis is needed. (Received September 04, 2019)