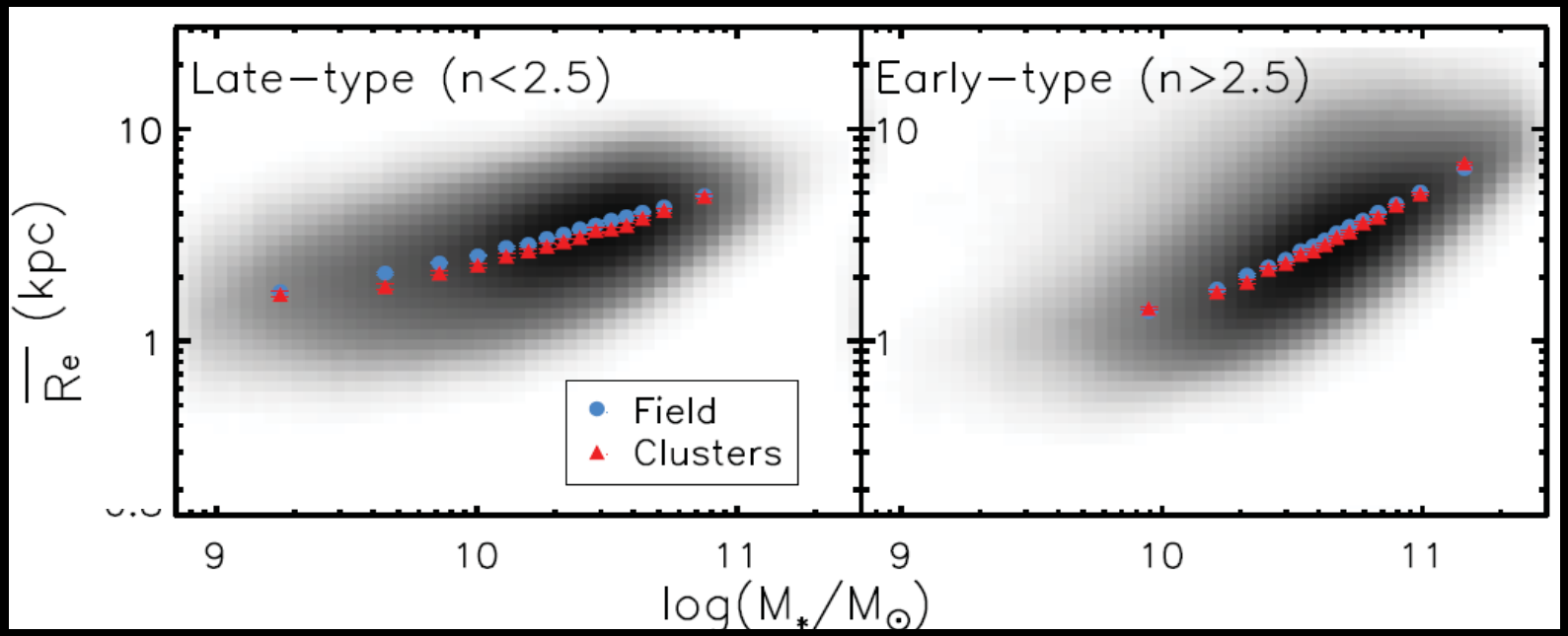
# Q4. Role of Environment




| Aperture | Late-type | | Early-type | |
|---|---|---|---|---|
| | $\overline{R}_{\rm field}/\overline{R}_{\rm clust}$ | $\sigma_{\rm field}/\sigma_{\rm clust}$ | $\overline{R}_{\rm field}/\overline{R}_{\rm clust}$ | $\sigma_{\rm field}/\sigma_{\rm clust}$ |
| 0.5 Mpc | $1.21 \pm 0.03$ | $1.04 \pm 0.05$ | $1.05 \pm 0.02$ | $1.08 \pm 0.03$ |
| 1.0 Mpc | $1.13 \pm 0.02$ | $1.05 \pm 0.02$ | $1.05 \pm 0.01$ | $1.08 \pm 0.02$ |
| 1.5 Mpc | $1.10 \pm 0.01$ | $1.05 \pm 0.02$ | $1.046 \pm 0.008$ | $1.04 \pm 0.02$ |
| 2.0 Mpc | $1.078 \pm 0.006$ | $1.002 \pm 0.008$ | $1.040 \pm 0.008$ | $1.030 \pm 0.009$ |

The stellar mass – size relation is barely affected by the environment

(Cebrián & Trujillo 2014)