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Correcting for observational systematics in galaxy clustering: from DES to Euclid

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The Dark Energy Survey (DES) Y3 and Y6 analyses show that, given the current statistical power, it is crucial to know in depth the different sources of systematic errors and to correct for them appropriately. Galaxy clustering measurements are not an exception to this issue, where observational systematics are of particular relevance. In this regard, even if Euclid is not affected by the exact same observational systematics, some of them are similar or equivalent. Moreover, some of the mitigation techniques from DES can be translated to Euclid's framework. In this presentation we will show the the ongoing work on the correction of observational systematics within DES / LSST-DESC and how they could be incorporated to Euclid's galaxy clustering analysis and also how they could complement the techniques currently being developed within the Consortium.

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