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🌐 Identification of promising genotypes

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Protocol status: Working
We use this protocol in our group and demonstrated successful identification of promising genotypes for field as well as upland wheat management schemes in China

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1 Average the yield data generated for genotypes across locations and years.

2 Perform the Welch's variance-weighted analysis of variance for studied genotypes (across years and locations), at each location (across genotypes and years) and for each year (across genotypes and locations) using One-Way ANOVA model of SAS University Edition version 3.8 with Levene test for homogeneity of variance and adopting Tukey comparison method.

3 Calculate mean genetic deviation in successive cycles

4 Corresponding above mean values facilitate the partitioning of promising genotypes, location and years