

Getting data from three different SDSS catalogs:

- **Galaxy** ("P"): galaxies with photometric measurements
- **SpecObj** ("S"): galaxies with spectroscopic measurements
- **galSpecExtra** ("E"): galaxies with derived spectroscopic values

<pre>SELECT TOP 100000 P.objID, P.flags_r, P.ra, P.dec, P.dered_g, P.dered_r, P.dered_i, P.err_g, P.err_r ,P.err_i, P.petroR50_g,P.petroR90_g, S.z, S.zErr, S.velDisp, S.velDisperr, E.oh_p50, E.lgm_tot_p50, E.sfr_tot_p50</pre>	The properties you are retrieving for each galaxy. dered_g, dered_r : g and r magnitudes z: redshift
<pre>FROM Galaxy as P JOIN SpecObj as S on P.objID = S.BestObjID JOIN galSpecExtra as E on S.SpecObjID = E.SpecObjID</pre>	Join catalogs on object ID
<pre>WHERE S.z>0.00001 AND S.z<0.3 AND P.dered_r<17.5</pre>	choose galaxies with measured z<0.3 and r<17.5
<pre>AND ((P.flags_r & 0x10000000) != 0) AND ((P.flags_r & 0x81000000c00a0) = 0) AND (((P.flags_r & 0x4000000000000) = 0) or (P.err_r <= 0.3)) AND (((P.flags_r & 0x1000000000000) = 0) or (P.flags_r & 0x1000) = 0)</pre>	obscure but important data quality flags