The SDSS DR7 White Dwarf Catalog

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We report on a new white dwarf catalog featuring spectroscopically confirmed white dwarf stars from the 7th Data Release from the Sloan Digital Sky Survey. Using two distinct sets of candidate criteria, we identified over 49,000 candidate white dwarf spectra, removing nearly 16,000 of them from consideration by cross-correlating them with other catalogs of identified SDSS spectra. Ultimately, we have ended up with some 19,000 confirmed white dwarf spectra which includes nearly 14,000 pure DAs and 1,000 pure DBs, all fit with updated spectral atmosphere models. The rest are distributed among other WD subtypes and includes some 1,000 white dwarf/main sequence pairs. We discuss our selection and success criteria, as well as the final catalog details and its implications on the mass and subtype distributions of white dwarf stars.