FeatureID 🡪 Pearson and Spearsman correlation (e.g., 34 🡪 0.275 0.307)

# First set of important features identified in EPA-ACC dataset include (dataIndex --> FeatureName):

# 34 --> 0.275 0.307 'Percent forest cover loss - PctFrstLoss' --> 'PctFrstLoss2006Cat'

# 52 --> 0.243 -0.0237 'Mean hydraulic conductivity in catchment --> HydrlCondCat'

# 54 --> 0.259 0.343 'Mean imperviousness of anthropogenic surfaces within catchment - PctImp' --> 'PctImp2006Cat'

# 82 --> 0.212 0.181 'Precipitation gradient - SN' --> 'SN\_2008Cat'

# 92 --> 0.235 0.378 'Open water land cover (in a catchment) - PctOw' --> 'PctOw2006Cat'

# 97 --> 0.283 0.289 'Developed catchment area (Land use) - PctUrbOp' --> 'PctUrbOp2006Cat'

# 114 --> 0.249 0.27 'Woody wetland land cover -- PctWdWet' --> 'PctWdWet2011Cat'

# 115 --> 0.225 0.28 'PctNonAgIntrodManagVegCat' --> 'PctNonAgIntrodManagVegCat'

# 119 --> 0.308 0.326 '30 year mean normal temperature - Tmean' --> 'Tmean08Cat'

# 122 --> 0.281 0.283 '30 year max normal temperature - Tmax' --> 'Tmax8110Cat'

# 126 --> 0.44 0.426 'Mean annual stream temperature -- MAST' --> 'MAST\_2013'

# 131 --> 0.414 0.437 'Mean summer stream temperature - MSST' --> 'MSST\_2014'

# First set of important features identified in EPA-ACW dataset include (dataIndex --> FeatureName):

# 71 --> 0.246 0.205 PctNonCarbResidWs

# 112 --> 0.254 0.578 PctUrbMd2011Ws

# 31 --> 0.264 0.299 PctFrstLoss2003Ws

# 13 --> 0.281 0.372 DamNrmStorM3Ws

# 2 --> 0.282 0.273 DRNAREA

# 12 --> 0.285 0.381 DamNIDStorM3Ws

# 54 --> 0.286 0.547 PctImp2006Ws

# 94 --> 0.288 0.575 PctUrbHi2006Ws

# 78 --> 0.29 0.324 NABD\_NrmStorM3Ws

# 77 --> 0.293 0.334 NABD\_NIDStorM3Ws

# 37 --> 0.294 0.418 PctFrstLoss2009Ws

# 110 --> 0.301 0.56 PctUrbHi2011Ws

# 111 --> 0.306 0.559 PctUrbLo2011Ws

# 122 --> 0.312 0.323 Tmax8110Ws

# 115 --> 0.325 0.43 PctNonAgIntrodManagVegWs

# 123 --> 0.337 0.346 Tmean8110Ws

# 75 --> 0.337 0.407 MineDensWs

# 76 --> 0.351 0.345 NABD\_DensWs

# 15 --> 0.358 0.615 NPDESDensWs

# 92 --> 0.37 0.357 PctOw2006Ws

# 113 --> 0.376 0.419 PctUrbOp2011Ws

# 11 --> 0.393 0.416 DamDensWs

# 16 --> 0.395 0.426 SuperfundDensWs

# 17 --> 0.421 0.611 TRIDensWs