**SLIDE 1 – Intro OPEN .ppt in FOLDER dogs import csv + all IDLE and other files I need**

**SLIDE 2- Kaggle dataset**

Pennsylvania state law requires registration of all dogs

There are millions of registered dogs in PA, over 20K in the greater Pittsburgh area.

As of Dec 2016, 189 different breed recognized by AKC but 212 in the file? Not all breeds are recognized. It’s basically a popularity contest. Need large enough gene pool to define the breed standard by which show dogs are judged.

Also, mixed breeds are not recognized.

Although this dataset is a microcosm, the main conclusion agrees with national trends.

**SLIDE 3 – QUIZ! Slide 4 – PICTURES!**

**SLIDE 5 – GUI Demo** (I’ll put the answer key up in a minute and talk about the results a bit)

**FROM IDLE, OPEN FILE in FOLDER Dogs import csv, GUI dogs demo**

**SLIDE 6 and 7 – QUIZ ANSWER KEY**

**SLIDE 7 Quiz ANSWERS:**

**Mixed** = 29% by count in these data – although they are #1 in count, AKC recognizes the purebred Lab as most popular dog in the country. They are typically **healthier** than the snooty pure bred dogs – less chance for two recessive genes that yield genetic disorders like hip dysplasia (debilitating in dogs over 60 lbs. like Labs and German Shepherds).

Included in mixed breeds are “**designer dogs**” like the Labradoodle; cross between a Labrador Retriever and Poodle = gentler temperament and no shedding!

**1 in 10 is a Labrador retriever!** **Look back at the picture** – that’s how nice they are!

**Back in the early 70s, Poodles were #1 (**now #12) – the trend is attributed to more people residing in the **suburbs and home size doubling**. More room for bigger dogs to run and co-habitate with the owners. But a **contributing factor is temperament**. Poodles can be cranky – labs are classically calm, happy.

**Some scandal….The fall from grace: American Pit Bull Terrier** was removed the list in the early 70s due to breeding practices; they were and still are being bred to fight other dogs so there is an ethical consideration and they no longer fit the breed category = “ratters” (= hunt vermin and dig them from their holes). The version of the breed that **is** recognized is the Staffordshire Bull Terrier.

**Other fascinating facts** from the original Kaggle dataset: male:female 1:1, small:large 1:1, top 25 dogs = 77% of total count, bottom 87 breeds = count of 5 of less

**SLIDE 8 – DEMO SQLite OPEN FILE in FOLDER Dogs db, DEMO SQLite3**

**CODES**

**CONCLUSIONS ACKNOWLEDGEMENT QUESTIONS? THANK YOU!**