Summarizing Data Along Dimensions Representing records on pair RDDS Summarizing Pair RDDS wring veducebyttey and Combineby Ken Merging data from Separate RDDS Modelling Torappie Potterns How many cour travel this twood on a given day? which were the days that saw the highest were there Dodgers games on the days with high traffic?

what's the average toropic like on a game day? In all of there borically we have a metric on one side and the dimensions along which you are Summarying on the other Side. you can think of Each orecord in your dataset as a Key-value pair where the Key is the dimension and the value is the metric.

So therefore if there was a way to work with seconds by inherently treating them as pains, that would be very helpful. That's exactly where the different types of LDDs come in. Util now we have been doaling just with borie RDDS where one treat Each record in the RDD as a single object. Any operation that are yesporm on the RDD treats the Entire object or record as a ringle Entity.

on the other hand, you have another type of RDD (alled fair RDD where each element in treated as a Key-value foir. to treat an RDD as a prair RDD, all you need to have its orands which are types with two objects. Each orecord is a type with 2 dijects Pain RDD (Airline, Delay) (city, Solos) (count)

In Python to corecte a pair RDD you just need to make Sure that each record is a type. Then you can apply any of the pain RDD recial functions on that RDD:

We can Summary pair RDDS by the Keys.

Jou can use the oreduceBykey or CombineBykey functions to

do this. There functions borically take an RDD and

Combine Valuer, which have the Same key in a sperified

Summarge by Keye Pair RDD -> oreduce By Keny

Combine By Keny Merge by Keys - Join - reft outer Join - oright outer Join